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U.S. NATIONAL INSTITUTES OF HEALTH

NEW GRANTS AND AWARDS

Arranged by State, City and Institution

Announced During

SEPTEMBER and OCTOBER 1974

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
Public Health Service

PREPARED BY

NATIONAL INSTITUTES OF HEALTH

DIVISION OF RESEARCH GRANTS

STATISTICS AND ANALYSIS BRANCH

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SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AI NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES

AM NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES

CA NATIONAL CANCER INSTITUTE

- CB DIVISION OF CANCER BIOLOGY AND DIAGNOSIS
- CN OFFICE OF CANCER CONTROL
- CM DIVISION OF CANCER TREATMENT
- CP DIVISION OF CANCER CAUSE AND PREVENTION

CL CLINICAL CENTER

CT DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY

DE NATIONAL INSTITUTE OF DENTAL RESEARCH

ES NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES

EY NATIONAL EYE INSTITUTE

GM NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES

HD NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT

HL NATIONAL HEART AND LUNG INSTITUTE

- HV DIVISION OF HEART AND VASCULAR DISEASES
- HB DIVISION OF BLOOD DISEASES AND RESOURCES
- HT DIVISION OF TECHNOLOGICAL APPLICATION
- HR DIVISION OF LUNG DISEASES
- HI DIVISION OF INTRAMURAL RESEARCH
- HO OFFICE OF THE NHLI DIRECTOR

JT JOINT (TWO OR MORE SUPPORTING INSTITUTES OR DIVISIONS)

LM NATIONAL LIBRARY OF MEDICINE

NS NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE

OD OFFICE OF THE DIRECTOR, NIH

RG DIVISION OF RESEARCH GRANTS

RR DIVISION OF RESEARCH RESOURCES

RS DIVISION OF RESEARCH SERVICES

TW FOGARTY INTERNATIONAL CENTER

GRANTS AND AWARDS ANNOUNCED DURING SEPTEMBER AND OCTOBER 1974

I/D	RESEARCH GRANTS*		R & D CONTRACTS		TRAINING GRANTS		FELLOWSHIP AWARDS		MEDICAL LIBRARY GRANTS	
	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT
AI	31	1,064	3	142						
AM	51	2,146	1	50						
CA	104	5,299					1	12		
CB			3	217						
CM			13	4,213						
CN			8	1,178						
CP			21	1,247						
DE	3	109	1	58						
ES			3	60			1	12		
EY	7	195	1	53						
GM	86	2,941			9	506	43	534		
HD	59	2,212	2	145						
HI			1	52						
HL	79	3,949					1	11		
HV			2	218						
LM	1	93	2	18					10	74
NS	23	778	1	4			3	32		
OD			1	74						
RR	10	2,464								
	454	21,251	63	7,730	9	506	49	602	10	74

INCLUDES DIRECT COST ONLY FOR NIH RESEARCH GRANTS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ALABAMA			
BIRMINGHAM			
UNIVERSITY OF ALABAMA IN BIRMINGHAM			
CA17077-01	LEBOWITZ, JACOB	CIRCULAR DNA--IMPLICATIONS FOR CANCER & DRUG RESISTANCE	40,000
CA16777-01	SCHUTZBACH, JOHN S	THE BIOSYNTHESIS OF CELL ENVELOPE GLYCOPROTEINS	53,926
CA16322-01	WOLCOTT, R MICHAEL	CELL MEMBRANE ALTERATIONS ASSOCIATED WITH MALIGNANCY	48,570
INSTITUTION TOTAL	3	142,496	
CITY TOTAL	3	142,496	
STATE TOTAL	3	142,496	
ALASKA			
COLLEGE			
UNIVERSITY OF ALASKA			
HL16020-01A1	ELSNER, ROBERT W	CIRCULATORY REACTIONS TO ASPHYXIA	49,618
INSTITUTION TOTAL	1	49,618	
CITY TOTAL	1	49,618	
STATE TOTAL	1	49,618	
ARIZONA			
TEMPE			
ARIZONA STATE UNIVERSITY			
GM21703-01	MUNK, MORTON E	COMPUTER-AIDED STRUCTURE ELUCIDATION	25,235
INSTITUTION TOTAL	1	25,235	
CITY TOTAL	1	25,235	
TUCSON			
UNIVERSITY OF ARIZONA			
HD08759-01	BENSON, BRYANT	STRUCTURE AND ACTION OF PINEAL ANTIGONADOTROPIN	37,511
HL17421-01	JOHNSON, PAUL C	REGULATION AND EXCHANGE IN THE MICROCIRCULATION	146,524
INSTITUTION TOTAL	2	184,035	
CITY TOTAL	2	184,035	
STATE TOTAL	3	209,270	
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY			
GM21612-01	BARTLETT, PAUL A	PHOSPHATE-DERIVED PHOTOAFFINITY LABELS	24,830

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY			
GM21610-01	MODRICH, PAUL L	ENZYMATIC BASIS OF TYPE II RESTRICTION AND MODIFICATION	49,187
HL17463-01	SHORE, VIRGIE G	COMPOSITION AND STRUCTURE OF PLASMA LIPOPROTEINS	32,115
GM18987-01A1	TARTER, MICHAEL	GRAPHICAL BIOMETRY	46,009
GM21509-01	WILSON, ALLAN C	REGULATION AS A BASIS FOR ORGANISMAL DIFFERENCES	35,155
INSTITUTION TOTAL	5	187,296	
CITY TOTAL	5	187,296	
DAVIS			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS			
HD08753-01	LORENZ, FREDERICK W	SPERM PHYSIOLOGY IN INDUCTION OF ABNORMAL DEVELOPMENT	17,125
HD07893-01A1	MEIZEL, STANLEY	STUDIES OF AN INACTIVE TESTES AND SPERM TRYPSIN	28,457
CA16869-01	THEILEN, GORDON H	SARCOMA VIRUS (FESV) INDUCED TUMORS	50,000
INSTITUTION TOTAL	3	95,582	
CITY TOTAL	3	95,582	
DUARTE			
CITY OF HOPE MEDICAL CENTER			
HL17535-01	MATSUBARA, SHOJI M	BIOCHEMICAL GENETICS OF ALPHAL-ANTITRYSPIN ABNORMALITIES	36,620
INSTITUTION TOTAL	1	36,620	
CITY TOTAL	1	36,620	
IRVINE			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT IRVINE			
GM20674-01	OVERMAN, LARRY E	REDUCTIVE CLEAVAGE OF REACTIVE DISULFIDES--MODEL STUDIES	202,470
CA16868-01	WISHNOW, RODNEY M	EFFECT OF ENTEROTOXINS ON ADRENAL TUMOR CELLS	23,852
INSTITUTION TOTAL	2	226,322	
CITY TOTAL	2	226,322	
LA JOLLA			
SALK INSTITUTE FOR BIOLOGICAL STUDIES			
CA16561-01	VERMA, INDER M	DNA POLYMERASES OF AVIAN AND MURINE RNA TUMOR VIRUSES	42,230
INSTITUTION TOTAL	1	42,230	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
LA JOLLA			
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
CA16541-01	MEINKE, GERALDINE C	INHIBITION OF PCT BY IMMUNIZATION WITH MYELOMA PROTEINS	27,343
GM20145-01	SPIZIZEN, JOHN	CONTROL OF THE TRANSPORT OF BIOLOGICALLY ACTIVE DNA	31,186
AI12438-01	WELSH, RAYMOND M, JR	THE ROLE OF DEFECTIVE VIRUS IN CHRONIC VIRUS DISEASE	28,120
INSTITUTION TOTAL 3		86,649	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
NS11843-01	ALKSNE, JOHN F	STEREOTACTIC THROMBOSIS OF INTRACRANIAL ANEURYSMS	39,590
HL17565-01	STONER, GARY D	HORMONE-MEDIATED DIFFERENTIATION OF CULTURED LUNG CELLS	30,507
HL17343-01	SYBERS, HARLEY D	ACCELERATED REPAIR OF ISCHEMIC HEART AFTER THERAPY	35,000
INSTITUTION TOTAL 3		105,097	
CITY TOTAL 7		233,976	
LOS ANGELES			
CHARLES R. DREW POSTGRADUATE MEDICAL SCHOOL			
RR08140-01	MILLER, MICHAEL E	SUPPORT FOR BIOMEDICAL RESEARCH AND TRAINING	268,222
INSTITUTION TOTAL 1		268,222	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
AM18058-01	CLINE, MARTIN J	A NEW METHOD OF BONE MARROW CULTURE	29,110
AM17984-01	GITNICK, GARY L	PREVENTION OF POST TRANSFUSION CHRONIC LIVER DISEASE	13,502
AM17594-01	HARWICK, HERBERT J	ROLE OF MYCOPLASMAS IN ARTHRITIS	19,877
GM20821-01A1	KATZ, RONALD L	ACUPUNCTURE THERAPY: CLINICAL RESEARCH STUDIES	39,505
AI12171-01	LEHRER, ROBERT I	NON-OXIDATIVE FUNGICIDAL MECHANISMS OF HUMAN LEUKOCYTES	49,555
HL18006-01	SLATER, GRANT G	ANTITRYPSIN IN LUNG DISEASE FROM AIR POLLUTION	32,928
CA16042-01	STECKEL, RICHARD J	CORE CANCER CENTER SUPPORT GRANT	217,749
HL17358-01	SULLIVAN, STUART F	VENTILATORY ADJUSTMENTS FOR OPTIMAL OXYGENATION	24,460
INSTITUTION TOTAL 8		426,686	
UNIVERSITY OF SOUTHERN CALIFORNIA			
HD08159-01A1	HOCHSTEIN, PAUL E	ULTRASTRUCTURE--BIOCHEMICAL STUDIES OF AGING RED CELLS	30,675
HL17412-01	SHERWIN, RUSSELL P	COVERT CELLULAR AND SUBCELLULAR DAMAGE OF LUNG	66,826
INSTITUTION TOTAL 2		97,501	
CITY TOTAL 11		792,409	
MENLO PARK			
STANFORD RESEARCH INSTITUTE			
CA16533-01	DE GRAW, JOSEPH I	8-DEAZAFOLATES AS FOLIC ACID ANTAGONISTS	26,442

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
MENLO PARK			
STANFORD RESEARCH INSTITUTE			
AM17846-01	REIST, ELMER J	STUDIES OF BIOLOGICALLY IMPORTANT SPHINGOLIPIDS	22,307
INSTITUTION TOTAL	2	48,749	
CITY TOTAL	2	48,749	
OAKLAND			
CHILDREN'S HOSPITAL MEDICAL CENTER OF NORTHERN CALIFORNIA			
AM17737-01	GREEN, GARY M	NUTRITIONAL SIGNIFICANCE OF INTESTINAL PROTEOLYSIS	39,802
INSTITUTION TOTAL	1	39,802	
CITY TOTAL	1	39,802	
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY			
NS12131-01	ALLMAN, JOHN M	FUNCTIONAL ORGANIZATION OF VISUAL CORTEX	30,393
INSTITUTION TOTAL	1	30,393	
CITY TOTAL	1	30,393	
RIVERSIDE			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT RIVERSIDE			
AI11329-01A1	MULLA, MIR S	HOUSE-DUST MITES & ALLERGY, PREVENTIVE MEASURE & CONTROL	21,930
INSTITUTION TOTAL	1	21,930	
CITY TOTAL	1	21,930	
SAN FRANCISCO			
MOUNT ZION HOSPITAL AND MEDICAL CENTER			
HL17495-01	FINLEY, THEODORE N	ALVEOLAR MACROPHAGE FUNCTION IN THE IMPAIRED HOST	40,335
INSTITUTION TOTAL	1	40,335	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
CA16493-01	CALARCA, PATRICIA G	INTRACISTERNAL A PARTICLES IN MOUSE DEVELOPMENT	33,148
HD07938-01	HOLLENBERG, MILTON	GROWTH PROCESSES IN CARDIAC AND SKELETAL MUSCLE	16,839
AM17940-01	KIM, YOUNG S	REGULATION OF GLYCOPROTEIN METABOLISM IN CYSTIC FIBROSIS	35,530
CA16482-01	MC NUTT, NEIL S	CANCER CELL PERIPHERY: ULTRASTRUCTURE AND FUNCTION	29,714
AM18014-01	MEYER, JAMES H	STUDY OF ALIMENTARY DERANGEMENTS AFTER ULCER SURGERY	22,583
INSTITUTION TOTAL	5	137,814	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	6	178,149	
CALIFORNIA			
STANFORD			
STANFORD UNIVERSITY			
HD08814-01	BAUM, DAVID	CONGENITAL HEART DISEASE AND ORGAN DEVELOPMENT	33,250
GM21498-01	BRUTLAG, DOUGLAS L	ORGANIZATION OF HETEROCHROMATIC DNA SEQUENCES	48,524
AM18156-01	FELDMAN, DAVID	THE ROLE OF RECEPTORS IN GLUCOCORTICOID ACTION	29,420
HL17364-01	LUETSCHER, JOHN A, JR	"BIG RENIN": PROPERTIES, PHYSIOLOGIC/DIAGNOSTIC ROLE	10,600
CA16857-01	MERIGAN, THOMAS C	EFFECT OF INTERFERON THERAPY ON NON-HODGKINS LYMPHOMA	193,816
HD08841-01	MILL, THEODORE	THE ROLE OF FREE RADICALS AND ANTIOXIDANTS IN AGING	16,928
HD08750-01	WOLF, ARTHUR P	FERTILITY AND THE FAMILY IN RURAL TAIWAN, 1905-1945	33,763
INSTITUTION TOTAL	7	366,301	
CITY TOTAL	7	366,301	
TORRANCE			
LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT--LOS ANGELES COUNTY HARBOR GENERAL HOSPITAL			
CA15750-01	BENFIELD, JOHN R	PLANNING FOR CANCER SUPPORT GRANT	37,899
INSTITUTION TOTAL	1	37,899	
CITY TOTAL	1	37,899	
STATE TOTAL	48	2,295,428	
COLORADO			
BOULDER			
UNIVERSITY OF COLORADO			
GM21644-01	CARUTHERS, MARVIN H	STUDIES WITH THE OPERATOR OF THE LACTOSE OPERON	13,500
GM21596-01	SOLL, LARRY J	GENETIC ANALYSIS OF TRNA STRUCTURE AND FUNCTION	32,980
CA16856-01	SUEOKA, NOBORU	PLASMA MEMBRANE PROTEINS FROM MAMMALIAN CELL TUMORS	56,845
INSTITUTION TOTAL	3	103,325	
CITY TOTAL	3	103,325	
DENVER			
NATIONAL JEWISH HOSPITAL AND RESEARCH CENTER			
HL17322-01	SOUHRADA, JOSEPH F	ISOLATED SMOOTH LUNG MUSCLE: FUNCTIONAL CHARACTERISTICS	22,750
INSTITUTION TOTAL	1	22,750	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
COLORADO			
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
GM19897-01	MURPHY, ROBERT C	STRUCTURE DETERMINATION OF PHOSPHOLIPIDS	21,477
HL17444-01	PETTY, THOMAS L	STUDIES OF NORMAL AND ABNORMAL HUMAN SURFACTANT	30,000
AM17760-01	REEVE, E BASIL	STUDIES ON PSEUDOXANTHOMA ELASTICUM (PXE)	61,625
HL17518-01	REISS, OSCAR K	PULMONARY PRESSOR SUBSTANCES FROM AMNIOTIC FLUID	31,655
INSTITUTION TOTAL	4	144,757	
CITY TOTAL	5	167,507	
FORT COLLINS			
COLORADO STATE UNIVERSITY			
HD08867-01	KOZLOWSKI, GERALD P	CORRELATED IMMUNOTECHNIQUES FOR STUDY OF GN-RH & ADH	34,103
INSTITUTION TOTAL	1	34,103	
CITY TOTAL	1	34,103	
STATE TOTAL	9	304,935	
CONNECTICUT			
FAIRFIELD			
FAIRFIELD UNIVERSITY			
GM21270-01	MACDONALD, JOHN C	PATTERN RECOGNITION IN LABORATORY MEDICINE	11,493
INSTITUTION TOTAL	1	11,493	
CITY TOTAL	1	11,493	
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER			
GM20268-01	SHA'AFI, RAMADIAN	STUDIES OF MEMBRANE STRUCTURE AND FUNCTION	22,886
INSTITUTION TOTAL	1	22,886	
CITY TOTAL	1	22,886	
MIDDLETOWN			
WESLEYAN UNIVERSITY			
HD08286-01	DONADY, JOHN J	GENETIC CONTROL OF CELL DIFFERENTIATION	15,533
INSTITUTION TOTAL	1	15,533	
CITY TOTAL	1	15,533	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CONNECTICUT			
NEW HAVEN			
JOHN B. PIERCE FOUNDATION OF CONNECTICUT			
HL17407-01	DU BOIS, ARTHUR B	PERIPHERAL CIRCULATION AND FLUID BALANCE	50,744
INSTITUTION TOTAL	1	50,744	
YALE UNIVERSITY			
CA16214-01	KOHORN, ERNEST I	CELLULAR AND IMMUNOLOGIC STUDY OF OVARIAN CANCER	42,825
AI12320-01	LENGYEL, PETER	INTERFERON, ANIMAL VIRUSES AND PROTEIN SYNTHESIS	53,074
CA16432-01	ZIEGLER, FREDERICK E	SYNTHETIC STUDIES OF CYTOTOXIC LACTONES	49,480
INSTITUTION TOTAL	3	145,379	
CITY TOTAL	4	196,123	
STORRS			
UNIVERSITY OF CONNECTICUT			
RR00924-01	WYAND, D STUART	ANIMAL FACILITIES IMPROVEMENT	123,329
AM18001-01	YPHANTIS, DAVID A	SELF-ASSOCIATION OF INSULIN	47,780
INSTITUTION TOTAL	2	171,109	
CITY TOTAL	2	171,109	
STATE TOTAL	9	417,144	
DELAWARE			
NEWARK			
UNIVERSITY OF DELAWARE			
CA16801-01	WRISTON, JOHN C, JR	PROPERTIES OF GLYCOSYLATED E. COLI ASPARAGINASE	40,988
INSTITUTION TOTAL	1	40,988	
CITY TOTAL	1	40,988	
STATE TOTAL	1	40,988	
DIST OF COL			
WASHINGTON			
GEORGE WASHINGTON UNIVERSITY			
HL16143-01A1	JOSEPH, WILLIAM L	MEMBRANE LUNG SUPPORT IN MASSIVE PULMONARY EMBOLUS	37,500
INSTITUTION TOTAL	1	37,500	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
DIST OF COL			
WASHINGTON			
GEORGETOWN UNIVERSITY			
GM20046-01	BAHR, GUNTER F	NEW TECHNIQUES FOR ANALYZING CYTOGENETIC ABERRATIONS	37,700
INSTITUTION TOTAL	1	37,700	
WASHINGTON HOSPITAL CENTER			
CA16188-01	REBA, RICHARD C	SEMISYNTHETIC BLEOMYCINS: SYNTHESIS & CHARACTERIZATION	46,791
INSTITUTION TOTAL	1	46,791	
CITY TOTAL	3	121,991	
STATE TOTAL	3	121,991	
FLORIDA			
GAINESVILLE			
STATE UNIVERSITY OF FLORIDA SYSTEM--UNIVERSITY OF FLORIDA			
CA16559-01	ENNEKING, WILLIAM F	RADICAL LOCAL RESECTION IN MUSCULOSKELETAL SARCOMA	31,804
GM21531-01	FELDHERR, CARL M	INCORPORATION OF PROTEINS BY OOCYTE NUCLEI	13,456
GM20237-01	WILLIAMS, DAVID T	VACUUM-CELL D2 SPECTROMETER FOR MEDICAL USE	13,823
INSTITUTION TOTAL	3	59,083	
CITY TOTAL	3	59,083	
MIAMI			
UNIVERSITY OF MIAMI			
AI12475-01	GLADE, PHILIP R	LYMPHOID CELL LINES/MEDIATORS OF CELLULAR IMMUNITY	51,300
INSTITUTION TOTAL	1	51,300	
CITY TOTAL	1	51,300	
TALLAHASSEE			
STATE UNIVERSITY OF FLORIDA SYSTEM--FLORIDA STATE UNIVERSITY			
NS11892-01	BERKLEY, KAREN J	CONVERGENCE OF SOMATOSENSORY PATHWAYS IN THALAMUS	35,827
INSTITUTION TOTAL	1	35,827	
CITY TOTAL	1	35,827	
STATE TOTAL	5	146,210	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
GEORGIA			
ATHENS			
UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA			
AI12244-01	AGOSIN, MOISES	MICROSOMAL HEMOPROTEINS IN TRYPANOSOMATIDAE	16,263
GM21454-01	KUSHNER, SIDNEY R	A BIOCHEMICAL ANALYSIS OF GENETIC RECOMBINATION	37,464
INSTITUTION TOTAL	2	53,727	
CITY TOTAL	2	53,727	
ATLANTA			
EMORY UNIVERSITY			
CA16620-01	KANN, HERBERT E	ANTINEOPLASTIC DRUGS: MOLECULAR PHARMACOLOGIC STUDIES	57,740
HD06087-01A4	MANOCHA, SOHAN L	PROTEIN MALNUTRITION AND PRENATAL ALTERATION OF BRAIN	34,190
GM21457-01	MENGER, FREDRIC M	INVESTIGATION OF BIO-ORGANIC SYSTEMS BY DYNAMIC NMR	22,950
CA16806-01	NAHMIAS, ANDRE J	RELATION OF HERPES SIMPLEX VIRUSES TO HUMAN CANCERS	27,517
INSTITUTION TOTAL	4	142,397	
CITY TOTAL	4	142,397	
AUGUSTA			
UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA			
AM17816-01	KAROW, ARMAND M, JR	CRYOPRESERVATION OF RABBIT KIDNEYS	29,756
INSTITUTION TOTAL	1	29,756	
CITY TOTAL	1	29,756	
STATE TOTAL	7	225,880	
HAWAII			
HONOLULU			
UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA			
HL16774-01	MORTON, NEWTON E	GENETIC EPIDEMIOLOGY OF HYPERLIPEMIA	69,426
INSTITUTION TOTAL	1	69,426	
CITY TOTAL	1	69,426	
STATE TOTAL	1	69,426	
ILLINOIS			
CHICAGO			
MICHAEL REESE HOSPITAL AND MEDICAL CENTER			
AI12145-01	DIAMOND, RICHARD D	CELLULAR IMMUNITY IN OPPORTUNISTIC MYCOSES	38,509
INSTITUTION TOTAL	1	38,509	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS			
CHICAGO			
NATIONAL OPINION RESEARCH CENTER			
HD08916-01	CLARK, TERRY N	POPULATION CHARACTERISTICS AND CITIZEN POLICY	23,264
INSTITUTION TOTAL	1	23,264	
UNIVERSITY OF CHICAGO			
HD08879-01	HAVIGHURST, ROBERT J	HIGH LEVEL PRODUCTIVITY AFTER AGE SEVENTY	19,126
HD09283-01	HUTTENLOCHER, JANELLEN	CONCEPTUAL DEVELOPMENT AND LANGUAGE COMPREHENSION	39,437
AM17862-01	KLEIN, PETER D	BILE ACID TRANSFORMATIONS IN GALLSTONE THERAPY	54,267
HD08896-01	WAINER, HOWARD	COMPUTER IMPLEMENTATION OF RWT STATURE PREDICTION	4,750
INSTITUTION TOTAL	4	117,580	
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER			
NS12258-01	AUSTIN, DAVID F	WORKSHOP CONFERENCE ON CHRONIC EAR DISEASE	4,064
NS12263-01	HOLINGER, PAUL H	SYMPOSIUM ON LARYNGEAL PAPILLOMATOSIS	3,920
NS11901-01	KATZ, NORMAN L	PHYSIOLOGY AND PHARMACOLOGY OF MOTOR NERVE-TERMINALS	17,323
CA16925-01	ROTKIN, I D	EPIDEMIOLOGIC AND GENETIC STUDIES IN PROSTATIC CANCER	58,930
INSTITUTION TOTAL	4	84,237	
CITY TOTAL	10	263,590	
DE KALB			
NORTHERN ILLINOIS UNIVERSITY			
AM17949-01	MITCHELL, JOHN L	REGULATION OF ORNITHINE DECARBOXYLASE ACTIVITY	18,243
INSTITUTION TOTAL	1	18,243	
CITY TOTAL	1	18,243	
EVANSTON			
EVANSTON HOSPITAL			
HL17517-01	GOLDSTICK, THOMAS K	ARTERIAL WALL OXYGEN TRANSPORT IN ATHEROSCLEROSIS	27,886
INSTITUTION TOTAL	1	27,886	
NORTHWESTERN UNIVERSITY			
GM20036-01	KING, ROBERT C	STUDIES ON THE GENETIC CONTROL OF CYTOKINESIS	32,042
AM17974-01	LEWIS, JACK L	IN VIVO FRACTURE STIFFNESS MEASUREMENT	31,867
AI12149-01	LIPPINCOTT, JAMES A	SITE ATTACHMENT IN BACTERIAL INFECTION	41,436
INSTITUTION TOTAL	3	105,345	
CITY TOTAL	4	133,231	

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS			
URBANA			
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT URBANA			
GM21536-01	CARL, PHILIP L	DNA REPLICATION IN E COLI AND BACTERIOPHAGE T4	30,190
GM19749-01	EVANS, CHARLES A	MASS SPECTROMETRY OF NONVOLATILE ORGANIC COMPOUNDS	27,235
EY01539-01	HARTLINE, PETER H	INTEGRATION OF VISUAL AND INFRARED NEURAL IMAGES	27,839
HL17597-01	NISHIDA, TOSHIRO	ROLE OF PLASMA LIPOPROTEINS IN ATHEROSCLEROSIS	40,323
HD08700-01	SHERWOOD, ORRIN D	RELAXIN: STRUCTURAL AND PHYSIOLOGICAL STUDIES	36,610
AI12277-01	WOLFE, RALPH S	A NEW MICROBIAL VITAMIN-COENZYME RELATIONSHIP	25,747
INSTITUTION TOTAL	6	187,944	
CITY TOTAL	6	187,944	
STATE TOTAL	21	603,008	
INDIANA			
INDIANAPOLIS			
INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT INDIANAPOLIS			
HL16747-01	GREENSPAN, KALMAN	CARDIAC DYSRHYTHMIAS: INDUCTION AND THERAPY	21,794
AM18057-01	HARPER, EDWIN T	ION-AFFINITY ELECTROPHORESIS OF HEMOGLOBIN VARIANTS	14,000
INSTITUTION TOTAL	2	35,794	
CITY TOTAL	2	35,794	
WEST LAFAYETTE			
PURDUE UNIVERSITY			
HL17855-01	GEDDES, LESLIE A	PREDICTIVE VENTRICULAR DEFIBRILLATION	43,807
INSTITUTION TOTAL	1	43,807	
CITY TOTAL	1	43,807	
STATE TOTAL	3	79,601	
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
GM21696-01	DONELSON, JOHN E	DNA SEQUENCE AT REPLICATION ORIGINS OF PHIX174 AND M13	48,072
NS11904-01	HENN, FRITZ A	UPTAKE OF NEUROTRANSMITTERS AND IONS BY GLIA	48,495
HD08843-01	HILLMAN, DEAN E	CIRCUITRY MODIFICATIONS & MATERNAL PROTEIN RESTRICTION	147,073
GM21510-01	NEWLON, CAROL S	DNA REPLICATION IN THE YEAST, SACCHAROMYCES CEREVISIAE	36,000
HD08227-01	YOUNOSZAI, M K	INTESTINAL FUNCTION DURING INFANCY AND CHILDHOOD	22,921
INSTITUTION TOTAL	5	302,561	
CITY TOTAL	5	302,561	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	5	302,561	
KANSAS			
KANSAS CITY			
UNIVERSITY OF KANSAS			
CA16503-01	BARTH, ROLF F	ANTIGENIC MODIFICATION OF LEUKOCYTES TAGGED WITH DNP	40,000
HD08911-01	BELMONT, JOHN M	DEVELOPMENT OF CHILDREN'S SELF-CONTROLLED COGNITION	29,152
AM18257-01	EBNER, KURT E	MECHANISM OF LACTOSE SYNTHESIZING ENZYMES	34,361
CA17478-01	EBNER, KURT E	FUNCTION AND INTERACTIONS OF MAMMARY CARCINOMA CELLS	14,810
INSTITUTION TOTAL	4	118,323	
CITY TOTAL	4	118,323	
LAWRENCE			
UNIVERSITY OF KANSAS			
GM20199-01	SCHOWEN, RICHARD L	MODELS FOR BIOLOGICAL TRANSMETHYLATION	26,200
INSTITUTION TOTAL	1	26,200	
CITY TOTAL	1	26,200	
WICHITA			
VETERANS ADMINISTRATION CENTER			
CA16499-01	MELLINGER, GEORGE T	VETERANS ADMINISTRATION COOPERATIVE UROLOGICAL RESEARCH	282,849
INSTITUTION TOTAL	1	282,849	
CITY TOTAL	1	282,849	
STATE TOTAL	6	427,372	
KENTUCKY			
LEXINGTON			
UNIVERSITY OF KENTUCKY			
GM20472-01	MOORHEAD, EDWARD D	DEVELOPMENT OF TRACE GALLIUM ASSAY	21,500
HL16878-01	ZECHMAN, FRED W	CONTROL OF VENTILATION IN HEALTH AND DISEASE	151,598
INSTITUTION TOTAL	2	173,098	
CITY TOTAL	2	173,098	
LOUISVILLE			
UNIVERSITY OF LOUISVILLE			
GM19212-01A1	TAYLOR, K GRANT	USEFUL AMINES VIA CYCLOADDITIONS OF AZA-1,3-DIENES	37,800
INSTITUTION TOTAL	1	37,800	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	37,800	
STATE TOTAL	3	210,898	
LOUISIANA			
NEW ORLEANS			
TULANE UNIVERSITY			
HL14789-01	BURCH, GEORGE E	CONGESTIVE HEART FAILURE AND PERIPHERAL CIRCULATION	35,325
INSTITUTION TOTAL	1	35,325	
CITY TOTAL	1	35,325	
STATE TOTAL	1	35,325	
MAINE			
BAR HARBOR			
JACKSON LABORATORY			
AM17947-01	EICHER, EVA M	INHERITED GROWTH DISORDERS OF ENDOCRINE SYSTEMS	63,595
INSTITUTION TOTAL	1	63,595	
CITY TOTAL	1	63,595	
PORTLAND			
UNIVERSITY OF MAINE SYSTEM--UNIVERSITY OF MAINE PORTLAND-GORHAM CAMPUS			
NS12029-01	HARTMAN, H BERNARD	RECEPTORS MONITORING MUSCLE TENSION	4,695
INSTITUTION TOTAL	1	4,695	
CITY TOTAL	1	4,695	
STATE TOTAL	2	68,290	
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
AI12458-01	BANG, FREDERIK B	URT DEFENSE MECHANISM AGAINST VIRUSES IN MALNUTRITION	32,378
CA16783-01	COLVIN, MICHAEL	PHARMACOLOGY OF CYCLOPHOSPHAMIDE AND NITROSOUREAS	57,510
CA16116-01	LENHARD, RAYMOND E, JR	EASTERN COOPERATIVE GROUP-ONCOLOGY STUDIES	20,865
AM18021-01A1	LILIENFELD, ABRAHAM M	EPIDEMIOLOGY CENTER FOR STUDIES OF DIGESTIVE DISEASES	70,000
GM20544-01A1	MARZILLI, LUIGI G	DNA AND RNA SEQUENCING BY CHELATE METAL COMPLEXES	30,497
CA16752-01	MATANOSKI, GENEVIEVE M	POSSIBLE CANCER RISKS AMONG VETERINARIANS	30,683
HD08490-01	MONJAN, ANDREW A	MENTAL RETARDATIONS OF VIRAL ETIOLOGY	47,239

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
HL17428-01	PARIKH, INDU	AFFINITY CHROMATOGRAPHY OF RENIN	22,539
HL16359-01A1	SHELDON, WALTER H	EXPERIMENTAL DIFFUSE INTERSTITIAL PULMONARY FIBROSIS	40,488
AM18020-01	WALSER, MACKENZIE	AMINO ACID ANALOGUES IN NUTRITION	172,812
CA16924-01	WALSH, PATRICK C	STUDIES OF ANDROGEN RECEPTORS IN PROSTATIC CARCINOMA	62,642
GM21450-01	WHITE, EMIL H	THE DEAMINATION OF ALIPHATIC AMINES	39,100
INSTITUTION TOTAL	12	626,753	
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND PROFESSIONAL SCHOOLS			
HD08834-01	CHANNING, CORNELIA P	THE MECHANISM OF LUTEINIZATION IN VITRO AND IN VIVO	61,750
GM21648-01	ROSEN, BARRY P	BIOENERGETICS OF MICROBIAL MEMBRANE FUNCTIONS	30,000
INSTITUTION TOTAL	2	91,750	
CITY TOTAL	14	718,503	
STATE TOTAL	14	718,503	
MASSACHUSETTS			
AMHERST			
UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS AT AMHERST			
HD08683-01	HALPERN, JOEL M	EXTENDED FAMILY HOUSEHOLDS AND DEMOGRAPHIC TRANSITION	34,200
GM21466-01	HOLMES, ROBERT R	PHOSPHATE MODEL FOR RIBONUCLEASE ACTION	25,500
GM19763-01	PARSONS, PETER P	MITOCHONDRIAL PROTEIN SYNTHESIS AND AUTONOMY	21,083
HD07943-01	YAUKEY, DAVID	REPRODUCTIVE TIME LOST THROUGH MARITAL DISSOLUTION	19,278
INSTITUTION TOTAL	4	100,061	
CITY TOTAL	4	100,061	
BOSTON			
BOSTON BIOMEDICAL RESEARCH INSTITUTE			
NS11122-01A1	DAVISON, PETER F	NEUROFILAMENT PROTEIN: CHARACTERISTICS AND FUNCTION	71,555
INSTITUTION TOTAL	1	71,555	
BOSTON UNIVERSITY			
AI12679-01	FEINGOLD, DAVID S	ANTIMICROBIAL AGENTS AND THE CELL SURFACE	47,295
INSTITUTION TOTAL	1	47,295	
CHILDREN'S HOSPITAL MEDICAL CENTER			
CA16751-01	DAVIDSON, RICHARD L	GENETICS OF BUDR DEPENDENCE IN MAMMALIAN CELLS	67,000

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
BOSTON			
CHILDREN'S HOSPITAL MEDICAL CENTER			
AM17834-01	HOLTROP, MARIJKE E	ULTRASTRUCTURAL ANALYSIS OF BONE CELL METABOLISM	41,847
HL17336-01	SADE, ROBERT M	HYPOTHERMIC ARREST: CEREBRAL MICROCIRCULATORY DAMAGE	40,428
INSTITUTION TOTAL	3	149,275	
HARVARD UNIVERSITY			
AI12317-01	BOYER, MARKLEY H	"HOST ANTIGEN" PHENOMENON IN MURINE SCHISTOSOMIASIS	17,019
GM21527-01	LINCK, RICHARD W	ASSEMBLY AND MOTILE MECHANISMS OF CILIA AND FLAGELLA	35,246
CA16686-01	SPEIZER, FRANK E	A PROSPECTIVE COHORT FOR RISKS IN BREAST CANCER	21,992
CA16854-01	VILLEE, CLAUDE A	STUDIES ON RENAL CELL CANCER	43,396
INSTITUTION TOTAL	4	117,653	
MASSACHUSETTS GENERAL HOSPITAL			
HL17679-01A1	LEAF, ALEXANDER	CIRCULATION AND FUNCTION OF ISOLATED PERFUSED KIDNEY	48,060
AM17963-01	PFISTER, RICHARD C	A STUDY OF ARRHYTHMIAS AND ISCHEMIA DURING UROGRAPHY	21,488
CA16703-01	WEISER, MILTON M	TUMOR-ASSOCIATED INTESTINAL CELL MEMBRANE FACTORS	53,206
INSTITUTION TOTAL	3	122,754	
NORTHEASTERN UNIVERSITY			
CA15684-01A1	SOLOWAY, ALBERT H	CHEMOIMMUNOTHERAPEUTIC AGENTS FOR CANCER	24,308
INSTITUTION TOTAL	1	24,308	
PETER BENT BRIGHAM HOSPITAL			
RR00888-01	BRAUNWALD, EUGENE	GENERAL CLINICAL RESEARCH CENTER	1,237,100
HL17513-01	HANDIN, ROBERT I	ROLE OF PF-4 IN DETECTING AND PROMOTING THROMBOSIS	29,384
HL18003-01	SMITH, THOMAS W	DIGITALIS: MECHANISM AND REVERSAL STUDIES	85,260
INSTITUTION TOTAL	3	1,351,744	
ROBERT B. BRIGHAM HOSPITAL			
HL17382-01	AUSTEN, K FRANK	CHEMICAL MEDIATORS OF ACUTE PULMONARY DISORDERS	170,186
INSTITUTION TOTAL	1	170,186	
UNIVERSITY HOSPITAL			
AM17730-01	YABLON, ISADORE G	THE CAUSE OF JOINT HOMOGRAFT FAILURE	38,914
INSTITUTION TOTAL	1	38,914	
CITY TOTAL	18	2,093,684	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
CAMBRIDGE			
HARVARD UNIVERSITY			
HL17411-01	BRANTON, DANIEL	MOLECULAR STUDIES OF RED BLOOD CELL SPECTRIN	25,500
GM21514-01	GILBERT, WALTER	INTERACTION OF PROTEINS WITH DNA	39,870
GM21659-01	KNOWLES, JEREMY R	ENZYME-CATALYZED PROSPHATE TRANSFER REACTIONS	64,000
INSTITUTION TOTAL	3	129,370	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
AM17930-01	ADELSTEIN, STANLEY J	NUCLEAR TECHNIQUES IN METABOLISM & BONE DISEASE	248,009
GM21665-01	BAKER, RAYMOND M	MEMBRANE MUTANTS OF CULTURED MAMMALIAN CELLS	38,181
AI11997-01	BALDWIN, JACK E	CHEMISTRY AND BIOSYNTHESIS OF ANTIBIOTICS	35,248
CA16592-01	GREENE, FREDERICK D	NEW SMALL-RING HETEROCYCLES FOR CANCER CHEMOTHERAPY	20,517
HL17625-01	LANNING, DAVID D	A GENERATOR FOR RADIONUCLIDE ANGIOCARDIOGRAPHY	36,908
GM21686-01	SHARPLESS, K BARRY	BIOCHEMICAL ASPECTS OF SELENIUM CHEMISTRY	38,000
INSTITUTION TOTAL	6	416,863	
RESEARCH INSTITUTE FOR EDUCATIONAL PROBLEMS			
HD08439-01A1	GOTTLIEB, JAY	SOCIAL REJECTION OF RETARDED CHILDREN	36,925
HD08307-01A1	STEIN, JOAN L	STUDIES IN THE DEVELOPMENT OF CATEGORICAL CLUSTERING	57,806
INSTITUTION TOTAL	2	94,731	
CITY TOTAL	11	640,964	
SHREWSBURY			
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY			
CA16464-01	CASPI, ELIAHU	IODINATED (125I AND/OR 131I) ESTROGENS IN BREAST CANCER	47,900
RR00921-01	GIBBONS, ASHTON F	UPGRADING WFEB'S ANIMAL CARE FACILITY	102,250
GM21595-01	PEDERSON, THORU	STUDIES ON GENE TRANSCRIPTION IN EUKARYOTES	65,595
INSTITUTION TOTAL	3	215,745	
CITY TOTAL	3	215,745	
WALTHAM			
BRANDEIS UNIVERSITY			
RR00913-01	ABELES, ROBERT H	IMPROVEMENT OF ANIMAL RESOURCE FACILITY	90,910
GM21473-01	HALL, JEFFREY C	NEUROGENETICS OF DROSOPHILA REPRODUCTIVE BEHAVIOR	21,030
HD08887-01	ROSBASH, MICHAEL M	MACROMOLECULAR SYNTHESIS IN OOGENESIS AND DEVELOPMENT	41,304
GM21626-01	WENSINK, PIETER C	SEQUENCE ARRANGEMENT IN EUKARYOTIC DNA & CHROMOSOMES	46,330
INSTITUTION TOTAL	4	199,574	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
WALTHAM			
EUNICE KENNEDY SHRIVER CENTER FOR MENTAL RETARDATION			
CA16853-01	JUNGALWALA, FIROZE B	BIOCHEMICAL ASPECTS OF EXPERIMENTAL BRAIN TUMORS	35,976
NS11899-01	KISHIMOTO, YASUO	METABOLISM OF 3-KETO DERIVATIVE OF SPHINGOLIPIDS	31,210
INSTITUTION TOTAL	2	67,186	
CITY TOTAL	6	266,760	
WORCESTER			
WORCESTER POLYTECHNIC INSTITUTE			
GM22008-01	BROWNE, DOUGLAS T	ENZYME CONFORMATION AND MECHANISM	21,866
INSTITUTION TOTAL	1	21,866	
CITY TOTAL	1	21,866	
STATE TOTAL	43	3,339,080	
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
GM21519-01	FEE, JAMES A	MECHANISMS OF SUPEROXIDE DISMUTASES	41,500
HL17567-01	HARVIE, NANCY R	LIPOPROTEIN-CYTOLYTIC TOXIN INTERACTION	41,419
AI12369-01	JACKSON, ETHEL N	VIRAL REGULATORY MECHANISMS IN INFECTION AND LYSOGENY	33,552
INSTITUTION TOTAL	3	116,471	
CITY TOTAL	3	116,471	
DETROIT			
WAYNE STATE UNIVERSITY			
HD08735-01	BROOKS, SAM C	UTERINE STEROID METABOLISM AND REPRODUCTIVE FUNCTION	20,228
EY01417-01	MAISEL, HARRY	A STUDY OF STRUCTURAL LENS PROTEINS	23,300
INSTITUTION TOTAL	2	43,528	
CITY TOTAL	2	43,528	
EAST LANSING			
MICHIGAN STATE UNIVERSITY			
HL16665-01	OVERBECK, HENRY W	IONS, WATER, AND HYPERTENSION	35,727
HD08947-01	ZUICHES, JAMES J	COMMUTING PATTERNS IN U.S. METROPOLITAN AREAS	130,010
INSTITUTION TOTAL	2	165,737	
CITY TOTAL	2	165,737	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	7	325,736	
MINNESOTA			
AUSTIN			
UNIVERSITY OF MINNESOTA			
HL17371-01	BRUCKMAN, HOWARD L, JR	REGULATION OF CHOLESTERYL ESTER LEVELS IN THE AORTA	35,686
INSTITUTION TOTAL	1	35,686	
CITY TOTAL	1	35,686	
MINNEAPOLIS			
MOUNT SINAI HOSPITAL			
HL17329-01	SIMONSON, ERNST	CLASSIFICATION CODE FOR FRANK ORTHOGONAL ECG	41,270
INSTITUTION TOTAL	1	41,270	
UNIVERSITY OF MINNESOTA			
HL16791-01	ACKERMAN, EUGENE	A COMPUTER LINKAGE FOR A DUAL CAMERA SYSTEM	47,889
CA15662-01A1	AUSMAN, JAMES I	FACTORS INFLUENCING BRAIN TUMOR THERAPY	38,913
AM18344-01	ERLANDSEN, STANLEY L	LYSOZYME SECRETION AND PANETH CELL FUNCTION	32,641
CA17269-01	GASSMAN, PAUL G	HIGHLY STRAINED NITROGEN HETEROCYCLICS	63,653
HD08580-01	MIRKIN, BERNARD L	DEVELOPMENTAL AND CLINICAL PEDIATRIC PHARMACOLOGY	188,641
AI12402-01	QUIE, PAUL G	HOST DEFENSE AGAINST CANDIDA ALBICANS	31,487
INSTITUTION TOTAL	6	403,224	
CITY TOTAL	7	444,494	
NORTHFIELD			
ST. OLAF COLLEGE			
NS11777-01	HENDRICKSON, H STEWART	LIPOLYTIC ENZYME ACTION ON LIPID MEMBRANES	13,300
INSTITUTION TOTAL	1	13,300	
CITY TOTAL	1	13,300	
ROCHESTER			
MAYO FOUNDATION			
HL17639-01	BASSINGTHWAIGHTE, JAMES B	HETEROGENEITY OF REGIONAL MYOCARDIAL BLOOD FLOW	53,000
HL17430-01	BOWIE, E J	CONTROL OF COAGULATION	264,878
AM17172-01A1	CHAO, EDMUND Y	FUNCTIONAL FORCES IN NORMAL AND ABNORMAL FINGERS	59,910
CA16816-01	MOSES, HAROLD L	MECHANISM OF CHEMICAL CARCINOGENESIS IN VITRO	53,630
AM17858-01	SMITH, LYNWOOD H	CALCIUM UROLITHIASIS	48,925

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MINNESOTA			
ROCHESTER			
MAYO FOUNDATION			
HD08441-01A1	SPELSBERG, THOMAS C	MODE OF ACTION OF SEX STEROID HORMONES: NUCLEAR BINDING	41,605
INSTITUTION TOTAL	6	521,948	
CITY TOTAL	6	521,948	
SAINT PAUL			
UNIVERSITY OF MINNESOTA			
GM19978-01	GANDER, JOHN E	FUNGAL GLYCOPEPTIDE BIOSYNTHESIS	14,600
GM19791-01	LOVRIEN, REX E	QUANTITATIVE MEASUREMENT OF CELL INTERACTIONS	18,442
INSTITUTION TOTAL	2	33,042	
CITY TOTAL	2	33,042	
STATE TOTAL	17	1,048,470	
MISSISSIPPI			
JACKSON			
UNIVERSITY OF MISSISSIPPI MEDICAL CENTER			
CA15989-01	PULLEN, D JEANETTE	SOUTHWEST CANCER CHEMOTHERAPY STUDY GROUP	30,370
INSTITUTION TOTAL	1	30,370	
CITY TOTAL	1	30,370	
STATE TOTAL	1	30,370	
MISSOURI			
COLUMBIA			
UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT COLUMBIA			
AM18125-01	HEIMBERG, MURRAY	REGULATORY MECHANISMS IN LIPID METABOLISM	98,066
HL17366-01	JOHNSON, JOSEPH A	MECHANISMS IN THE PRODUCTION OF RENAL HYPERTENSION	13,996
INSTITUTION TOTAL	2	112,062	
CITY TOTAL	2	112,062	
SAINT LOUIS			
ST. LOUIS UNIVERSITY			
HD08186-01A1	RUH, MARY F	ECDYSONE AND JUVENILE HORMONE ACTION	29,009
INSTITUTION TOTAL	1	29,009	
CITY TOTAL	1	29,009	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MISSOURI			
UNIVERSITY CITY			
WASHINGTON UNIVERSITY			
NS11888-01	BUNGE, RICHARD P	FUNCTIONAL STUDIES OF SYNAPSES IN TISSUE CULTURE	43,153
HD08922-01	LOWRY, OLIVER H	METABOLIC CONTROL IN PREIMPLANTATION MOUSE EMBRYOS	15,250
AI12243-01	MICHAELIDES, MARIA C	IMMUNE STATUS OF THE LDV-INFECTED MOUSE	35,970
AM17810-01	PAGLIARA, ANTHONY S	MECHANISMS CONTROLLING GLUCAGON SECRETION	31,807
CA16640-01	ROEDER, ROBERT G	REGULATION OF ADENOVIRUS GENE EXPRESSION	39,780
AI12237-01	SCHLESINGER, MILTON J	EFFECTS OF ENVELOPED RNA VIRUSES ON MURINE IMMUNITY	40,065
HL16705-01	SOBEL, BURTON E	BIOCHEMICAL ASSESSMENT OF ISCHEMIC MYOCARDIUM	35,000
INSTITUTION TOTAL	7	241,025	
CITY TOTAL	7	241,025	
STATE TOTAL	10	382,096	
NEBRASKA			
OMAHA			
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER			
HD08842-01	MORIARTY, GWEN C	CYTOCHEMICAL DIFFERENTIATION OF GONADOTROPHS	17,863
INSTITUTION TOTAL	1	17,863	
CITY TOTAL	1	17,863	
STATE TOTAL	1	17,863	
NEW HAMPSHIRE			
DURHAM			
UNIVERSITY OF NEW HAMPSHIRE SYSTEM--UNIVERSITY OF NEW HAMPSHIRE			
CA16827-01	HERBST, EDWARD J	POLYAMINES AS METABOLIC INDICATORS OF CARCINOGENESIS	34,235
EY01475-01	SMITH, ROBERT A, JR	THE PHYSIOLOGY OF TUNED CHANNELS IN HUMAN VISION	7,382
INSTITUTION TOTAL	2	41,617	
CITY TOTAL	2	41,617	
HANOVER			
DARTMOUTH COLLEGE			
AM17749-01	BROWN, STANLEY A	BIOELECTRO-MECHANICS OF FRACTURE MANAGEMENT	39,085
HL16270-01A1	ESTAVILLO, JAIME A	ANALYSIS OF END-NET RECEPTORS	35,000
INSTITUTION TOTAL	2	74,085	
CITY TOTAL	2	74,085	
STATE TOTAL	4	115,702	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW JERSEY			
CAMDEN			
INSTITUTE FOR MEDICAL RESEARCH			
RR00903-01	MC GARRITY, GERARD J	MASS AIR FLOW FOR ANIMAL ISOLATION/QUARANTINE	25,179
INSTITUTION TOTAL	1	25,179	
CITY TOTAL	1	25,179	
NEW BRUNSWICK			
RUTGERS UNIVERSITY			
GM19148-01A1	MANDELES, STANLEY	DETERMINATION OF VIRUS NUCLEIC ACID SEQUENCES	31,141
INSTITUTION TOTAL	1	31,141	
CITY TOTAL	1	31,141	
NEWARK			
COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY--NEW JERSEY MEDICAL SCHOOL			
CA16788-01	YANG, CHUNG S	CYTOCHROME P-450: AND CARCINOGEN ACTIVATION	25,534
INSTITUTION TOTAL	1	25,534	
CITY TOTAL	1	25,534	
PRINCETON			
PRINCETON UNIVERSITY			
HD08008-01A1	COALE, ANSLEY J	POPULATION RESEARCH CENTER	63,190
GM21582-01	LANGRIDGE, ROBERT	MOLECULAR STRUCTURES IN NORMAL AND TUMOR CELLS	63,201
GM20510-01	WIPKE, W TODD	BIOGENETIC-LIKE CYCLIZATIONS OF MACROCYCLIC POLYENES	17,230
GM21586-01	WITMAN, G BODO, III	MOLECULAR MECHANISM OF FLAGELLA MOTILITY AND ASSEMBLY	52,728
GM21574-01	WORCEL, ABRAHAM	CHROMOSOME STRUCTURE IN INTERPHASE AND MITOSIS	60,056
INSTITUTION TOTAL	5	256,405	
CITY TOTAL	5	256,405	
STATE TOTAL	8	338,259	
NEW MEXICO			
ALBUQUERQUE			
UNIVERSITY OF NEW MEXICO			
AI12216-01	CUSHING, ALICE H	"PATHOGENIC" E. COLI IN SPORADIC INFANTILE DIARRHEA	35,385
CA16344-01	HOLLSTEIN, ULRICH	ACTINOMYCIN ANALOG WITH PHENAZINE SKELETON	9,700
RR08139-01	TOKUDA, SEI	UNM BIOMEDICAL SCIENCES ADVANCEMENT PROGRAM	264,722

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW MEXICO			
ALBUQUERQUE			
UNIVERSITY OF NEW MEXICO			
HL18026-01	WOOD, STEPHEN C	REGULATION OF RESPIRATORY FUNCTION: NUCLEATED RED CELLS	10,547
INSTITUTION TOTAL	4	320,354	
CITY TOTAL	4	320,354	
UNIVERSITY PARK			
NEW MEXICO STATE UNIVERSITY			
RR08136-01	O'BRIEN, ROBERT T	HEALTH SCIENCE RESEARCH FOR MINORITY STUDENTS	173,439
INSTITUTION TOTAL	1	173,439	
CITY TOTAL	1	173,439	
STATE TOTAL	5	493,793	
NEW YORK			
ALBANY			
STATE UNIVERSITY OF NEW YORK AT ALBANY			
AM17884-01	SCHOLES, CHARLES P	ELECTRON NUCLEAR DOUBLE RESONANCE OF HEME	38,937
INSTITUTION TOTAL	1	38,937	
UNION COLLEGE AND UNIVERSITY SYSTEM--ALBANY MEDICAL COLLEGE			
HL17332-01	RODGERS, JOHN B, JR	USE OF THE GUT FOR THERAPY OF CORONARY ARTERY DISEASE	39,070
GM21447-01	SABA, THOMAS M	SYSTEMIC HOST DEFENSE FOLLOWING TRAUMA	32,000
INSTITUTION TOTAL	2	71,070	
CITY TOTAL	3	110,007	
BINGHAMTON			
STATE UNIVERSITY OF NEW YORK AT BINGHAMTON			
HD08498-01	DONOVICK, PETER J	NUTRITION, EXPERIENCE, CNS LESIONS: AGE AND BEHAVIOR	10,752
INSTITUTION TOTAL	1	10,752	
CITY TOTAL	1	10,752	
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
CA16717-01	DOUGHERTY, THOMAS J	ACTIVATED DYES AS SPECIFIC CANCER DRUGS	39,024

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
CA16743-01	JACOBSON, KENNETH A	SURFACE DYNAMICS OF NORMAL AND TRANSFORMED CELLS	55,192
CA16056-01	MURPHY, GERALD P	ROSWELL PARK MEMORIAL INSTITUTE CORE CENTER GRANT	259,382
CA16844-01	PARTHASARATHY, RENGACHARY	STRUCTURE AND FUNCTION OF MODIFIED BASES OF T-RNA	33,900
CA16705-01	TABER, ROBERT L, JR	PROTEOLYSIS IN CELL SYNTHESIS AND GROWTH PROCESSES	42,274
INSTITUTION TOTAL	5	429,772	
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
AM17201-01A1	ACARA, MARGARET A	RENAL METABOLISM OF CHOLINE; ENHANCEMENT OF EXCRETION	25,825
AI11873-01A1	APICELLA, MICHAEL A	SUBGROUPS OF NEISSERIA GONORRHOEAE	28,575
DE04061-01	EMMINGS, FRED G	SALIVARY ANTIBODIES TO S MUTANS: INDUCTION AND EFFECTS	26,785
GM21487-01	HARFORD, AGNES G	NATURAL CORRECTION OF GENE DEFICIENCIES	26,100
INSTITUTION TOTAL	4	107,285	
CITY TOTAL	9	537,057	
ITHACA			
CORNELL UNIVERSITY			
GM21661-01	ELSON, ELLIOT L	DYNAMICS OF BIOPHYSICAL MEMBRANE PROCESSES	60,140
INSTITUTION TOTAL	1	60,140	
CITY TOTAL	1	60,140	
NEW YORK			
CITY UNIVERSITY OF NEW YORK--BROOKLYN COLLEGE			
HD08706-01	DONNEE, LOUISE H	VISUAL PERCEPTUAL DEVELOPMENT IN INFANCY	9,272
GM21481-01	LI, HSUEH-JEI	INTERACTION BETWEEN DNA AND MODEL PROTEINS	31,500
INSTITUTION TOTAL	2	40,772	
CITY UNIVERSITY OF NEW YORK--HUNTER COLLEGE			
HD08892-01	BATES, DANIEL G	POPULATION, FAMILY AND PRODUCTION IN RURAL IRAN	10,598
INSTITUTION TOTAL	1	10,598	
COLUMBIA UNIVERSITY			
HD08965-01	BRASEL, JO A	NUTRITION AND ADIPOCYTE GROWTH AND DEVELOPMENT	60,017
NS10612-01A2	GILMAN, SID	NEUROPHYSIOLOGICAL MECHANISMS OF HYPERTONIA	52,243
NS11981-01	GILMAN, SID	CEREBELLAR STIMULATION IN EXPERIMENTAL EPILEPSY	63,104
NS11307-01A1	GILMAN, SID	ROSTRAL PROJECTIONS OF THE VESTIBULAR SYSTEM	50,581

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
COLUMBIA UNIVERSITY			
AM17926-01	KOOPMANS, HENRY S	THE SATIATION OF HUNGER	32,053
CA16858-01	MORRISON, SHERIE L	GENETICS AND BIOCHEMISTRY OF MYELOMA IGA PRODUCTION	56,591
CA16440-01	ZUBAY, GEOFFREY L	MALIGNANT, TRANSFORMATION AND THE CYCLIC NUCLEOTIDES	44,109
INSTITUTION TOTAL	7	358,698	
CORNELL UNIVERSITY MEDICAL COLLEGE			
CA16715-01	ARTZT, KAREN	TERATOCARCINOMA AND EMBRYONAL TUMORS: SURFACE ANTIGENS	37,432
HL17404-01	WOODRUFF, JACK F	IMMUNOLOGIC MECHANISMS IN HEART DISEASE	49,097
INSTITUTION TOTAL	2	86,529	
MONTEFIORE HOSPITAL AND MEDICAL CENTER			
CA17467-01	EMESON, EUGENE E	ADOPTIVE IMMUNOTHERAPY OF CANCER BY ALLOGENEIC MARROW	36,624
CA16463-01	SURKS, MARTIN I	TRIIODOTHYRONINE RECEPTORS AND THYROTROPH NEOPLASIA	44,606
HL17417-01	VEITH, FRANK J	EXPERIMENTAL LUNG TRANSPLANTATION	151,890
INSTITUTION TOTAL	3	233,120	
NEW YORK CITY HEALTH SERVICES ADMINISTRATION--PUBLIC HEALTH RESEARCH INSTITUTE OF CITY OF N Y			
AI11940-01A1	FISHMAN, MARVIN	ACCESSORY FUNCTIONS OF MACROPHAGES IN IMMUNOGENESIS	43,830
AM18044-01	LUSTY, CAROL J	STRUCTURE-FUNCTION RELATIONS OF UREA CYCLE ENZYMES	36,200
INSTITUTION TOTAL	2	80,030	
NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE--INSTITUTE FOR BASIC RESEARCH IN MENTAL RETARDATION			
AI12465-01	THORMAR, HALLDOR	VISNA-MAEDI VIRUS CLONES: COMPARISON & DIFFERENTIATION	27,376
INSTITUTION TOTAL	1	27,376	
NEW YORK UNIVERSITY			
HD08090-01	BRAINE, MARTIN	TOWARDS A CONCEPTUAL BASIS FOR SYNTACTIC RELATIONS	15,030
GM20436-01	CAMPBELL, EDWIN S	WATER AND ORIENTATIONAL ENERGY OF HYDROGEN BONDS	18,235
NS11862-01	GARDNER, ESTHER P	NEURAL MECHANISMS OF CUTANEOUS SPATIAL INTEGRATION	71,964
CA16013-01	LIPKIN, GEORGE	RESTORATION OF CONTACT INHIBITION IN MELANOMAS	66,490
CA16631-01	MEISS, HARRIET K	ISOLATION AND ANALYSIS OF DNA MUTANTS OF BHK CELLS	43,639
CA16669-01	TEEBOR, GEORGE W	REPAIR MUTANTS ENZYMES & CHEMICAL CARCINOGENESIS	23,565
INSTITUTION TOTAL	6	238,923	
RIVERSIDE RESEARCH INSTITUTE			
EY01480-01	LIZZI, FREDERIC L	STUDY OF ULTRASONICALLY INDUCED OCULAR DAMAGE	64,929
INSTITUTION TOTAL	1	64,929	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
ROCKEFELLER UNIVERSITY			
NS11863-01	FRASCH, CARL E	PATHOGENIC AND CARRIER MENINGOCOCCAL SUBTYPES	15,220
CA16668-01	HAYWARD, WILLIAM S	RNA TUMOR VIRUS GENE EXPRESSION	29,258
NS11732-01	LEONARD, CHRISTIANA M	NEURAL SUBSTRATE OF BEHAVIORAL DEVELOPMENT	27,750
EY01472-01	SHAPLEY, ROBERT M	SPATIAL SUMMATION AND DYNAMICS OF VISUAL NEURONS	26,000
AI11916-01	TRAGER, WILLIAM	HOST-PARASITE MEMBRANE INTERACTIONS IN LEISHMANIASIS	36,855
INSTITUTION TOTAL 5		135,083	
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH			
CA16945-01	BEAN, MICHAEL A	CELLULAR IMMUNE RESPONSES TO HUMAN BLADDER CARCINOMA	32,387
CA16889-01	BOYSE, EDWARD A	THE CELL SURFACE: CELLULAR DIFFERENTATION/PROLIFERATION	300,000
CA16599-01	OLD, LLOYD J	ONCOGENIC VIRUSES PROGRAM PROJECT	180,000
CA16814-01	SHERMAN, MERRY R	GEL ELECTROPHORESIS OF BREAST CANCER STEROID RECEPTORS	28,498
INSTITUTION TOTAL 4		540,885	
STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER			
HL18002-01	ALTURA, BURTON M	CIRCULATORY SHOCK, TRAUMA AND RE-SYSTEM FUNCTION	43,000
AM17899-01	FRIEDMAN, ELI A	TRANSPLANTATION & IMMUNOGENICITY OF ISLET OF LANGERHANS	35,000
GM19626-01	STRACHER, ALFRED	STUDIES ON THE STRUCTURE OF MYOSIN	23,057
HL17451-01	VASSALLE, MARIO	DIGITALIS EFFECTS ON CARDIAC AUTOMATICITY MECHANISMS	20,976
INSTITUTION TOTAL 4		122,033	
YESHIVA UNIVERSITY			
CA15714-01	HORWITZ, SUSAN B	BIOCHEMICAL PHARMACOLOGY OF ANTITUMOR DRUGS	45,126
CA16720-01	KLINGER, HAROLD P	GENE REGULATION/INTERACTION: NORMAL & MALIGNANT CELLS	60,524
HL17479-01	MC CONN, RITA	BLOOD STORAGE: THE PRODUCTION OF CARDIOTOXIC MATERIAL	58,758
INSTITUTION TOTAL 3		164,408	
CITY TOTAL 41		2,103,384	
PLATTSBURGH			
STATE UNIVERSITY OF NEW YORK--COLLEGE AT PLATTSBURGH			
GM20328-01	ELLSWORTH, ROBERT R	STUDIES ON CHLOROPHYLASE	18,058
INSTITUTION TOTAL 1		18,058	
CITY TOTAL 1		18,058	
ROCHESTER			
UNIVERSITY OF ROCHESTER			
CA16749-01	BALE, WILLIAM F	PREPARATION OF 125I-ANTIBODY LOCALIZING IN TUMORS	42,839

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
ROCHESTER			
UNIVERSITY OF ROCHESTER			
EY01440-01	EMERSON, ROBERT C	IMAGE MOVEMENT: NEURAL PROCESSING MECHANISMS	34,462
CA16660-01	HILF, RUSSELL	MECHANISMS OF ACTION OF INSULIN ON MAMMARY TUMORS	50,085
HL17465-01	ROWLEY, PETER T	BETA-THALASSEMIA SCREENING AND GENETIC COUNSELING	40,000
HL17341-01	SCHLESSINGER, RICHARD H	A PRACTICAL TOTAL SYNTHESIS OF THE PROSTAGLANDINS	46,951
CA16787-01	SENIOR, ALAN E	PROLACTIN RECEPTORS IN NORMAL AND NEOPLASTIC BREAST	39,082
NS11951-01	TANAKA, RYO	BIOCHEMICAL MECHANISM OF TRANSMITTER RELEASE	39,803
INSTITUTION TOTAL	7	293,222	
CITY TOTAL	7	293,222	
SARANAC LAKE			
TRUDEAU INSTITUTE			
CA16642-01	NORTH, ROBERT J	IMMUNOLOGICAL BASIS OF TUMOR REGRESSION	48,905
INSTITUTION TOTAL	1	48,905	
CITY TOTAL	1	48,905	
STONY BROOK			
STATE UNIVERSITY OF NEW YORK AT STONY BROOK			
DE03993-01	KLEINBERG, ISRAEL	EFFECT OF SALIVA ON THE METABOLISM OF DENTAL PLAQUE	74,310
HL17466-01	SIMON, SANFORD R	REGULATION AND CONTROL IN NA-K ATPASE	28,008
INSTITUTION TOTAL	2	102,318	
CITY TOTAL	2	102,318	
SYRACUSE			
STATE UNIVERSITY OF NEW YORK--UPSTATE MEDICAL CENTER			
NS11996-01	KRIEBEL, MAHLON E	TRANSMITTER RELEASE AT THE NEUROMUSCULAR JUNCTION	37,545
CA16629-01	OLER, ALBERT	THE CELL MEMBRANE AND NEOPLASIA	48,792
NS11248-01A1	YOUNG, RONALD F	INTERDEPENDENCE OF TRIGEMINAL RELAY NUCLEI	16,784
INSTITUTION TOTAL	3	103,121	
CITY TOTAL	3	103,121	
TROY			
RENSSELAER POLYTECHNIC INSTITUTE			
GM22046-01	DAS, PANKAJ K	TRANSMITTING ULTRAMINLATURE PRESSURE MEASURING DEVICES	19,000
INSTITUTION TOTAL	1	19,000	
CITY TOTAL	1	19,000	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	70	3,405,964	
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
CA16460-01	GOZ, BARRY	IDURD AND ALKALINE PHOSPHATASE IN HUMAN CANCER CELLS	38,548
GM21313-01	HUTCHISON, CLYDE A, III	EUKARYOTIC GENE ORGANIZATION	113,283
HL17314-01	KAFER, ENID R	NEURAL AND VENTILATORY RESPONSES TO MECHANICAL LOADS	20,000
GM22028-01	PARR, ROBERT G	THE QUANTUM THEORY OF MOLECULAR ISOELECTRONIC CHANGES	30,000
INSTITUTION TOTAL	4	201,831	
CITY TOTAL	4	201,831	
DURHAM			
DUKE UNIVERSITY			
HD08807-01	ANDERSON, NELS C	VOLTAGE-CLAMP STUDIES ON SMOOTH MUSCLE	9,527
HL17603-01	FRIDOVICH, IRWIN	THE BASIS OF OXYGEN TOLERANCE AND TOXICITY	31,811
AM17977-01	GOLDSMITH, LOWELL A	FETAL/MATERNAL NUTRITION DETERMINED BY HAIR ANALYSIS	42,197
CA16802-01	GOODING, LINDA R	A CELL SURFACE EMBRYONIC TUMOR ANTIGEN BOUND TO H-2	29,595
HL17391-01	JOBSIS, FRANS F	MYOCARDIAL ENERGETICS AND METABOLISM IN HYPOXIA	70,000
CA16320-01	MILLER, DONALD S	IMMUNOTHERAPY AND IMMUNODIAGNOSIS OF HUMAN LEUKEMIA	37,000
NS11933-01	SOMJEN, GEORGE G	CELLULAR SEIZURE MECHANISMS	33,145
INSTITUTION TOTAL	7	253,185	
CITY TOTAL	7	253,185	
RALEIGH			
UNIVERSITY OF NORTH CAROLINA SYSTEM--NORTH CAROLINA STATE UNIVERSITY AT RALEIGH			
HL16828-01	LONGMUIR, IAN S	GRADIENT AND TRANSPORT OF OXYGEN IN TISSUE AND ORGANS	56,814
INSTITUTION TOTAL	1	56,814	
CITY TOTAL	1	56,814	
RESEARCH TRIANGL			
RESEARCH TRIANGLE INSTITUTE			
GM19630-01	COOK, CLARENCE E	SYNTHESIS OF STRIGOL, A POTENT PLANT LACTONE	14,509
INSTITUTION TOTAL	1	14,509	
CITY TOTAL	1	14,509	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NORTH CAROLINA			
WINSTON-SALEM			
WAKE FOREST UNIVERSITY			
RR00919-01	CLARKSON, THOMAS B	A RESOURCE FOR THE STUDY OF NONHUMAN PRIMATES	100,000
AI12415-01	GROVES, DAVID L	REGULATION OF THE ANTIBODY RESPONSE	42,832
INSTITUTION TOTAL	2	142,832	
CITY TOTAL	2	142,832	
STATE TOTAL	15	669,171	
NORTH DAKOTA			
GRAND FORKS			
UNIVERSITY OF NORTH DAKOTA			
GM21590-01	STENBERG, VIRGIL I	ALKALOID CHEMISTRY: COCAINE	25,370
INSTITUTION TOTAL	1	25,370	
CITY TOTAL	1	25,370	
STATE TOTAL	1	25,370	
OHIO			
CINCINNATI			
CHILDREN'S HOSPITAL MEDICAL CENTER--CHILDREN'S HOSPITAL			
HL17353-01	CLARK, LELAND C, JR	THE PHYSIOLOGY OF PERFLUOROCHEMICALS IN THE LUNG	36,105
HL17587-01	CLARK, LELAND C, JR	PERFLUORODECALIN EMULSIONS AS ARTIFICIAL BLOOD	78,000
INSTITUTION TOTAL	2	114,105	
UNIVERSITY OF CINCINNATI			
CA16517-01	ARMENTROUT, RICHARD W	SELECTIVE REPLICATION OF PARVOVIRUS IN TUMOR CELLS	35,441
CA16939-01	PESCE, AMADEO JO	SPECIFIC ANTIBODIES TO BLADDER CARCINOMA TUMOR ANTIGEN	33,919
INSTITUTION TOTAL	2	69,360	
CITY TOTAL	4	183,465	
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY			
HD08027-01A1	BURSTEIN, ALBERT H	DEVELOPMENT OF SKELETAL STRENGTH IN CHILDREN	35,564
GM19975-01	KOENIG, JACK L	RAMAN SPECTROSCOPIC STUDY OF NUCLEOHISTONE-DNA COMPLEXES	26,568
GM21552-01	SAKAMI, WARWICK	BIOLOGICAL SIGNIFICANCE OF FOLYLPOLYGLUTAMATE SYNTHESIS	36,000
HL17243-01	SKEGGS, LEONARD T	CAUSE OF CHRONIC EXPERIMENTAL RENAL HYPERTENSION	38,660

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OHIO			
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY			
CA16497-01	TEGTMEYER, PETER J	MECHANISMS OF VIRAL ONCOGENESIS: SV 40 GENE FUNCTION	46,083
GM21551-01	TISCHFIELD, JAY A	GENETICS OF RESISTANCE TO ADENINE ANALOGS IN VITRO	41,842
INSTITUTION TOTAL	6	224,717	
CLEVELAND CLINIC HOSPITAL			
CA13916-01A2	DEODHAR, SHARAD D	CLINICAL IMMUNOTHERAPY OF MALIGNANT MELANOMA	50,800
AM17479-01A1	GREENWALD, A SETH	A CONTACT AREA STUDY OF THE HUMAN ANKLE JOINT	24,142
INSTITUTION TOTAL	2	74,942	
CITY TOTAL	8	299,659	
COLUMBUS			
OHIO STATE UNIVERSITY			
HL17585-01	PIMMEL, RUSSELL L	NON-INVASIVE MEASUREMENT OF AIRWAYS RESISTANCE	55,867
HD08576-01	SAIDUDDIN, SYED	STUDIES ON THE EFFECT OF OBESITY ON REPRODUCTION	14,060
HL17337-01	VASKO, JOHN S	PHYSIOLOGY AND HISTOPATHOLOGY OF ARTERIALIZED VEIN GRAFT	40,164
INSTITUTION TOTAL	3	110,091	
CITY TOTAL	3	110,091	
OBERLIN			
OBERLIN COLLEGE			
HD08943-01	SEGAL, DAVID	EFFICIENCY ASPECTS OF URBAN SIZE: THE FEDERAL IMPACT	21,065
INSTITUTION TOTAL	1	21,065	
CITY TOTAL	1	21,065	
STATE TOTAL	16	614,280	
OKLAHOMA			
NORMAN			
UNIVERSITY OF OKLAHOMA			
GM20250-01	WEINHEIMER, ALFRED J	BIOACTIVE COMPOUNDS FROM MARINE ORGANISMS	18,000
INSTITUTION TOTAL	1	18,000	
CITY TOTAL	1	18,000	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OKLAHOMA			
STILLWATER			
OKLAHOMA STATE UNIVERSITY			
HD08745-01	ORTS, RICHARD J	ANTIFERTILITY EFFECTS OF A PINEAL ANTIGONADOTROPIN	23,911
INSTITUTION TOTAL	1	23,911	
CITY TOTAL	1	23,911	
STATE TOTAL	2	41,911	
OREGON			
CORVALLIS			
OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY			
GM21479-01	JOHNSON, WALTER C, JR	NUCLEIC ACIDS: THEIR CONFORMATION AND FUNCTION	26,507
RR00914-01	MATTON, NEPHI M	LABORATORY ANIMAL RESOURCES IMPROVEMENT PROGRAM	78,360
INSTITUTION TOTAL	2	104,867	
CITY TOTAL	2	104,867	
EUGENE			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON			
GM21548-01	POSTLETHWAIT, JOHN H	GENE AND HORMONE CONTROL OF DROSOPHILA EGG PROTEINS	48,371
INSTITUTION TOTAL	1	48,371	
CITY TOTAL	1	48,371	
PORTLAND			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER			
CA16558-01	BLACK, JOHN A	THE ROLE OF PROTEIN DEGRADATION IN NEOPLASIA	19,300
CA16747-01	HECHT, FREDERICK	CYTOGENETICS OF CLONAL NEOPLASIAS	49,747
AM18006-01	KOLER, ROBERT D	GENETIC ALTERATIONS IN HUMAN RED CELLS	34,965
CA16557-01	LITT, MICHAEL	CONTROL OF TRANSFER RNA LEVELS IN MAMMALIAN CELLS	19,827
INSTITUTION TOTAL	4	123,839	
CITY TOTAL	4	123,839	
STATE TOTAL	7	277,077	
PENNSYLVANIA			
BRYN MAWR			
BRYN MAWR COLLEGE			
HD08628-01	WANNEMACHER, JILL T	PROCESSING STRATEGIES IN PICTURE-SENTENCE MATCHING	12,151
INSTITUTION TOTAL	1	12,151	

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NIH
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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	12,151	
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
CA16498-01	HYMAN, RICHARD W	MALIGNANCY AND DNA HOMOLOGY AMONG THE HERPES VIRUSES	46,974
CA16804-01	SMITH, STEVEN J	EFFECTS OF CARCINOGENS ON PROCESSING OF RIBOSOMAL RNA	36,121
CA16746-01	TAYLOR, JOHN M	CONTROL OF ALBUMIN SYNTHESIS IN LIVER AND HEPATOMAS	56,394
INSTITUTION TOTAL	3	139,489	
CITY TOTAL	3	139,489	
PHILADELPHIA			
HAHNEMANN MEDICAL COLLEGE AND HOSPITAL OF PHILADELPHIA			
AM17918-01	FLEISCHMAJER, RAUL	ALTERATIONS OF BLOOD VESSEL AND COLLAGEN IN SCLERODERMA	54,270
INSTITUTION TOTAL	1	54,270	
INSTITUTE FOR CANCER RESEARCH			
GM21589-01	BERMAN, HELEN	STRUCTURES OF NUCLEIC ACID AND PROTEIN COMPONENTS	16,925
CA16755-01	FREEMAN-NARROD, MARION	TOXICITY OF METHOTREXATE AND ITS POSSIBLE PREVENTION	24,390
CA16641-01	MASON, WILLIAM S	REPLICATION OF ROUS SARCOMA VIRUS	40,780
INSTITUTION TOTAL	3	82,095	
LANKENAU HOSPITAL			
GM21549-01	REICHARD, GEORGE A, JR	GLUCOSE METABOLISM IN TRAUMA & DURING HYPERALIMENTATION	40,477
INSTITUTION TOTAL	1	40,477	
MEDICAL COLLEGE OF PENNSYLVANIA			
CA16909-01	BANSAL, SUBHASH C	IMMUNE MANIPULATION IN RAT COLON TUMORS	49,635
INSTITUTION TOTAL	1	49,635	
TEMPLE UNIVERSITY			
HL17631-01	SPANN, JAMES F, JR	EXPERIMENTAL CONGESTIVE HEART FAILURE AND HYPERTROPHY	62,421
INSTITUTION TOTAL	1	62,421	
THOMAS JEFFERSON UNIVERSITY			
AI12365-01	LIBERTI, PAUL A	PHYSICO-CHEMICAL STUDIES OF C1Q AND ITS INTERACTION	49,140
INSTITUTION TOTAL	1	49,140	

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA			
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
GM20611-01	DONOHUE, JERRY	STRUCTURAL STUDY: HYDROGEN BONDS IN BIOLOGICAL COMPOUND	18,549
AI12663-01	FARRELL, JAY P	IMMUNOLOGICAL ASPECTS OF VISCERAL LEISHMANIASIS	17,883
HD08939-01	JOHNSTON, FRANCIS E	BODY SIZE IN DEVELOPING NATIONS	13,079
HL17562-01	LEVINE, SANFORD	METABOLIC CONTROL OF VENTILATION	27,701
CA16576-01	MC ARTHUR, WILLIAM P	AVIAN ANTITUMOR IMMUNITY	33,056
AI12295-01	SCHWARTZMAN, ROBERT M	GENETIC TRAITS IN ATOPIC DISEASE	15,000
HD08760-01	VAN DE WALL, ETIENNE	FERTILITY DECLINE IN A BELGIAN VILLAGE, 1846-1880	20,253
GM20568-01	VOET, DONALD H	THE X-RAY STRUCTURE OF PYROPHOSPHATASE	24,091
HL17441-01	WEBER, KARL T	HEMODYNAMIC DETERMINANTS: MYCARDIAL OXYGEN CONSUMPTION	33,917
GM21524-01	WILSON, DAVID F	OXYGEN DEPENDENCE OF MITOCHONDRIAL FUNCTION	34,000
HD07635-01A1	WOLF, DON P	THE ROLE OF CORTICAL GRANULES IN FERTILIZATION	41,219
INSTITUTION TOTAL	11	278,748	
CITY TOTAL	19	616,786	
PITTSBURGH			
CARNEGIE-MELLON UNIVERSITY			
GM22041-01	POWERS, GARY J	COMPUTER-AIDED PLANNING OF OPTIMAL DNA SYNTHESES	45,000
INSTITUTION TOTAL	1	45,000	
DUQUESNE UNIVERSITY			
GM20419-01	CASTRIC, PETER A	PURIFICATION AND CHARACTERIZATION OF UREA AMIDOLYASE	17,475
INSTITUTION TOTAL	1	17,475	
MERCY HOSPITAL OF PITTSBURGH			
EY00908-01	KATOH, ARTHUR K	ULTRASTRUCTURAL IMMUNOCHEMISTRY OF LENS CRYSTALLINS	11,504
INSTITUTION TOTAL	1	11,504	
PITTSBURGH CHILD GUIDANCE CENTER			
HL17436-01	SCHACHTER, JOSEPH	HYPERTENSION PRECURSORS: CHARACTERISTICS AT BIRTH	44,254
INSTITUTION TOTAL	1	44,254	
UNIVERSITY OF PITTSBURGH			
HD08549-01	AXELROD, ABE E	ROLE OF PANTOTHENIC ACID IN PROTEIN METABOLISM	24,246
HD08662-01	GILL, THOMAS J, III	MATERNAL-FETAL INTERACTIONS AND THE IMMUNE RESPONSE	57,000
HL17595-01	GRENVIK, AKE N	NORMALIZING LOW PACO2 TO IMPROVE TISSUE OXYGENATION	40,151
AI12227-01	HENDRIX, ROGER W	ASSEMBLY AND STRUCTURE OF BACTERIOPHAGE LAMBDA HEADS	35,833

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA			
PITTSBURGH			
UNIVERSITY OF PITTSBURGH			
HD08610-01	KNOBIL, ERNST	CENTER FOR RESEARCH IN PRIMATE REPRODUCTION	154,263
GM21619-01	LAUFFER, MAX A	INTERACTIONS OF TOBACCO MOSAIC VIRUS AND ITS COMPONENTS	47,885
AM17847-01	LESTER, ROGER	METABOLISM OF PORPHYRIN, HEME AND BILE PIGMENT	33,636
GM21504-01	NAKADA, DAISUKE	CONTROL OF VIRUS GENE EXPRESSION	33,300
AM18065-01	PULSINELLI, PHILLIP D	STRUCTURAL BASIS OF REGULATORY FUNCTION IN HEMOGLOBIN	33,878
HD08808-01	RYSER, PAUL E	EXPECTED FAMILY SIZE OF HIGH SCHOOL STUDENTS	14,354
INSTITUTION TOTAL	10	474,546	
CITY TOTAL	14	592,779	
STATE TOTAL	37	1,361,205	
RHODE ISLAND			
KINGSTON			
UNIVERSITY OF RHODE ISLAND			
CA16704-01	LAUX, DAVID C	TUMOR-MEDIATED SUPPRESSION OF IMMUNE REACTIVITY	35,574
INSTITUTION TOTAL	1	35,574	
CITY TOTAL	1	35,574	
PROVIDENCE			
BROWN UNIVERSITY			
CA16926-01	CSERR, HELEN F	SYMPOSIUM ON "CEREBROSPINAL FLUID AND THE BRAIN"	13,469
AM17893-01	CZECH, MICHAEL P	INSULIN ACTION ON THE FAT CELL SURFACE MEMBRANE	38,131
INSTITUTION TOTAL	2	51,600	
ROGER WILLIAMS GENERAL HOSPITAL			
CA14379-01A1	KALDERON, ALBERT E	CANCER OF THE THYROID AND CYCLIC AMP	25,398
INSTITUTION TOTAL	1	25,398	
CITY TOTAL	3	76,998	
STATE TOTAL	4	112,572	
SOUTH CAROLINA			
CHARLESTON			
MEDICAL UNIVERSITY OF SOUTH CAROLINA			
CA16488-01	OGAWA, MAKIO	CHEMOTHERAPY OF MYELOMA WITH PLATINUM COMPOUNDS	28,148
INSTITUTION TOTAL	1	28,148	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	28,148	
SOUTH CAROLINA			
COLUMBIA			
UNIVERSITY OF SOUTH CAROLINA			
GM20562-01	AMMA, ELMER L	MECHANISM OF DNA INHIBITION BY METAL IONS	19,421
GM21520-01	MISHRA, NAWIN C	GENETIC EFFECTS OF EXOGENOUS NUCLEIC ACIDS	24,885
INSTITUTION TOTAL	2	44,306	
CITY TOTAL	2	44,306	
STATE TOTAL	3	72,454	
TENNESSEE			
MEMPHIS			
ST. JUDE CHILDREN'S RESEARCH HOSPITAL			
AI11949-01	PORTNER, ALLEN	BIOSYNTHESIS OF PARAMYXOVIRUSES	40,061
INSTITUTION TOTAL	1	40,061	
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES			
AM17824-01	NISHIMURA, HIROKO	COMPARATIVE STUDIES OF RENAL HANDLING OF ELECTROLYTES	39,785
INSTITUTION TOTAL	1	39,785	
CITY TOTAL	2	79,846	
NASHVILLE			
MEHARRY MEDICAL COLLEGE			
HD08792-01	ARINZE, IFEANYI J	DEVELOPMENT OF CARBOHYDRATE & LIPID METABOLISM IN LIVER	33,143
INSTITUTION TOTAL	1	33,143	
VANDERBILT UNIVERSITY			
CA16547-01	PAGE, DAVID L	CHEMICAL DEFINITION OF AMYLOID IN ENDOCRINE TUMORS	39,095
INSTITUTION TOTAL	1	39,095	
CITY TOTAL	2	72,238	
STATE TOTAL	4	152,084	
TEXAS			
AUSTIN			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN			
LM02333-01	CHARNES, A	COSTS AND THEIR ASSESSMENT TO USERS IN A MEDICAL LIBRARY	93,272

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	93,272	
CITY TOTAL	1	93,272	
TEXAS			
COLLEGE STATION			
TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY			
AM17790-01	BATES, GEORGE W	ERYTHROFERRIN AND ITS ROLE IN HEMOGLOBIN SYNTHESIS	11,862
CA16695-01	MARIANO, PATRICK S	SYNTHESIS OF MITROMYCIN ANALOGS	26,839
INSTITUTION TOTAL	2	38,701	
CITY TOTAL	2	38,701	
DALLAS			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
AM17983-01	FRENKEL, RENE	FUNCTION AND REGULATION OF MAMMALIAN MALIC ENZYMES	27,884
CA16479-01	KANG, CHIL-YONG	RNA TUMOR VIRUSES & THE ORIGIN OF GENES FOR NEOPLASIA	44,020
AI12658-01	LUBY, JAMES P	CYTOMEGALOVIRUS IN RENAL TRANSPLANT RECIPIENTS	30,583
HD08783-01	ROSENFELD, CHARLES R	STUDIES OF UTERO-PLACENTAL CIRCULATION	49,853
INSTITUTION TOTAL	4	152,340	
CITY TOTAL	4	152,340	
GALVESTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON			
HL16352-01A1	DOWELL, RUSSELL T	CARDIAC ENLARGEMENT IN THE NEONATAL HEART	22,048
HL17601-01	KUNZE, DIANA L	REFLEX CONTROL OF THE HEART	36,101
GM21655-01	SRIVASTAVA, SATISH K	BIOCHEMICAL GENETICS: TAY-SACHS & SANDHOFFS DISEASES	45,000
INSTITUTION TOTAL	3	103,149	
CITY TOTAL	3	103,149	
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
HL17610-01	NAIFEH, KAREN H	POSTNATAL DEVELOPMENT OF RESPIRATORY CENTERS	25,081
INSTITUTION TOTAL	1	25,081	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER			
GM21499-01	MURGOLA, EMANUEL J	MISSENSE SUPPRESSION AND MUTATIONALLY ALTERED TRNAS	20,229
CA16480-01	RAO, POTU N	PREDICTING RESPONSE OF HUMAN TUMORS TO CANCER DRUGS	44,161
INSTITUTION TOTAL	2	64,390	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	3	89,471	
TEXAS			
SAN ANTONIO			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO			
HL17302-01	ELBEIN, ALAN D	PROTEIN: POLYANION BINDING; A MODEL FOR ATHEROSCLEROSIS	29,410
AM17137-01A1	SEARS, DAVID A	STUDIES OF ERYTHROCYTE AND PLATELET MEMBRANE PROTEIN	27,218
HL17480-01	STAVINOHA, WILLIAM B	LABILE METABOLITES, TRANSMITTERS IN THE HEART CYCLE	47,085
INSTITUTION TOTAL	3	103,713	
CITY TOTAL	3	103,713	
STATE TOTAL	16	580,646	
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
CA16492-01	COHEN, ARTHUR M	LYSOSOMES AND CANCER CHEMOTHERAPY-INDUCED CELL DEATH	25,215
GM19533-01	CUELLAR, ORLANDO	MEIOSIS IN PARTHENOGENETIC VERTEBRATES	18,507
AM18354-01	HILL, HARRY R	HUMAN NEUTROPHIL REGULATION BY CYCLIC NUCLEOTIDES	31,193
HL17623-01	KIM, SUNG W	INITIAL EVENTS IN THROMBUS FORMATION ON SURFACES	26,984
HL17367-01	KRALIOS, FANY A	FUNCTIONAL SYMPATHETIC DEVELOPMENT IN NEONATAL HEARTS	34,818
CA16548-01	UCHIC, JOHN T	SYNTHETIC POLYNUCLEOTIDES IN CANCER CHEMOTHERAPY	26,746
INSTITUTION TOTAL	6	163,463	
CITY TOTAL	6	163,463	
STATE TOTAL	6	163,463	
VERMONT			
BURLINGTON			
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE			
HL17335-01	HALPERN, WILLIAM	MECHANICAL PROPERTIES OF HYPERTENSIVE RAT ARTERIOLES	38,007
INSTITUTION TOTAL	1	38,007	
CITY TOTAL	1	38,007	
STATE TOTAL	1	38,007	
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
HL17996-01	KROVETZ, L JEROME	PHYSICAL DETECTION OF EARLY ATHEROSCLEROSIS	15,819

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
HD08573-01	OLIPHANT, E EUGENE	MECHANISM OF INDUCTION OF THE SPERM ACROSOME REACTION	25,816
GM21572-01	SUNDBERG, RICHARD J	BIOLOGICAL SIGNIFICANCE OF CARBON-LIGATED IMIDAZOLES	13,800
INSTITUTION TOTAL	3	55,435	
CITY TOTAL	3	55,435	
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
AM17190-01A1	BOND, GUY H	(MAGNESIUM-CALCIUM)-ATPASE IN RED CELLS	17,403
AI11561-01	KAPLAN, ALAN M	THE CELLULAR BASIS OF ACQUIRED IMMUNOLOGIC TOLERANCE	31,094
INSTITUTION TOTAL	2	48,497	
CITY TOTAL	2	48,497	
STATE TOTAL	5	103,932	
WASHINGTON			
PULLMAN			
WASHINGTON STATE UNIVERSITY			
HD08886-01	MC GUIRE, TRAVIS C	INVESTIGATIONS OF COMBINED IMMUNODEFICIENCY	45,714
INSTITUTION TOTAL	1	45,714	
CITY TOTAL	1	45,714	
RICHLAND			
BATTELLE MEMORIAL INSTITUTE--PACIFIC NORTHWEST LABORATORIES			
GM19927-01	WHEELER, KENNETH R	MECHANICAL COMPATIBILITY OF POROUS METAL-BONE SYSTEMS	43,020
INSTITUTION TOTAL	1	43,020	
CITY TOTAL	1	43,020	
SEATTLE			
UNIVERSITY OF WASHINGTON			
GM20848-01	ANDERSEN, NIELS H	THE MOLECULAR BASIS OF PROSTAGLANDIN BIOCHEMISTRY	25,000
HL16219-01A1	BAGDADE, JOHN D	MECHANISMS OF HYPERLIPIDEMIA AND ATHEROGENESIS IN UREMIA	40,003
CA16712-01	BERNSTEIN, IRWIN D	MECHANISMS OF BCG MEDICATED SUPPRESSION OF TUMOR GROWTH	44,185
HL16919-01A1	DAVIE, EARL W	PROTEINS OF BLOOD COAGULATION	261,560
AM17698-01	JOHNSON, DAVID G	THE REGULATION OF INSULIN SECRETION	19,200
INSTITUTION TOTAL	5	389,948	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	5	389,948	
STATE TOTAL	7	478,682	
WEST VIRGINIA			
MORGANTOWN			
WEST VIRGINIA UNIVERSITY			
CA16567-01	HARRIS, CHARLES L	RNA SULFURTRANSFERASE IN NORMAL AND CANCER TISSUES	22,152
INSTITUTION TOTAL	1	22,152	
CITY TOTAL	1	22,152	
STATE TOTAL	1	22,152	
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
GM20437-01	AMIDON, GORDON L	SUBSTRATE BINDING TO THE PROTEINASE ENZYMES	17,620
AI12448-01	DAVIES, JULIAN E	GENETICS & BIOCHEM. OF MACROMOLECULAR SYNTHESES IN YEAST	30,927
HL17540-01	DEMPSEY, JEROME A	INTERSTITIAL LUNG DISEASE	43,272
GM20057-01	ELLISON, ROBERT A	THE BIOSYNTHESIS OF BREFELDIN A AND JASMONIC ACID	23,174
AM17804-01	JURIST, JOHN M	NONDESTRUCTIVE EVALUATION OF FRACTURE UNION	22,977
AM17892-01	MAZESS, RICHARD B	TOTAL BODY BONE MINERAL BY DICHROMATIC ABSORPTIOMETRY	21,145
CA16582-01	OSBORN, JUNE E	BIOCHEMICAL STUDIES OF HUMAN PAPOVAVIRUS JC	38,536
INSTITUTION TOTAL	7	197,651	
CITY TOTAL	7	197,651	
MILWAUKEE			
MEDICAL COLLEGE OF WISCONSIN			
CA16539-01	KEMP, ROBERT G	METABOLIC EVENTS IN VIRUS-INDUCED LEUKEMOGENESIS	50,670
HD08164-01A1	KLITGAARD, HOWARD M	SOMATOMEDIN, SOMATOTROPHIN AND THYROXINE RELATIONSHIP	18,915
HL17530-01	MALIK, KAFAIT U	ANGIOTENSIN, PROSTAGLANDINS-ADRENERGIC INTERACTIONS	33,870
INSTITUTION TOTAL	3	103,455	
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MILWAUKEE			
AM16886-01A1	PHILLIPS, RUTH B	CYTOGENETIC MARKERS IN SICKLE CELL FAMILIES	26,698
HD07855-01A1	WARREN, RICHARD M	STUDIES IN SPEECH PERCEPTION	38,738
INSTITUTION TOTAL	2	65,436	
CITY TOTAL	5	168,891	
STATE TOTAL	12	366,542	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
WYOMING			
LARAMIE			
UNIVERSITY OF WYOMING			
HD08824-01	DUNN, THOMAS G	ENDOCRINE EFFECTS OF INTRAUTERINE GROWTH RETARDATION	28,095
INSTITUTION TOTAL	1	28,095	
CITY TOTAL	1	28,095	
STATE TOTAL	1	28,095	
FRANCE			
PARIS			
PASTEUR INSTITUTE			
CA16355-01	JACOB, FRANCOIS	STUDIES OF REGULATORY MECHANISMS	20,000
INSTITUTION TOTAL	1	20,000	
CITY TOTAL	1	20,000	
STATE TOTAL	1	20,000	
ITALY			
MILAN			
NATIONAL CANCER INSTITUTE			
CA13774-01	BUCALOSSI, PIETRO	ELEVENTH INTERNATIONAL CANCER CONGRESS-FLORENCE, 1974	100,000
INSTITUTION TOTAL	1	100,000	
CITY TOTAL	1	100,000	
STATE TOTAL	1	100,000	
SPAIN			
MADRID			
AUTONOMOUS UNIVERSITY OF MADRID			
CA16776-01	GOSALVEZ, MARIO	BIOLOGICAL AND BIOCHEMICAL ANALYSIS OF ROTENONE TUMOR	22,000
INSTITUTION TOTAL	1	22,000	
CITY TOTAL	1	22,000	
STATE TOTAL	1	22,000	
SWITZERLAND			
ZURICH			
EUROPEAN ASSOCIATION FOR MAXILLO-FACIAL SURGERY			
DE04076-01	OBWEGESER, HUGO L	2ND CONGRESS--EUROPEAN ASSOC FOR MAXILLO-FACIAL SURGERY	8,000

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	8,000	
CITY TOTAL	1	8,000	
STATE TOTAL	1	8,000	
UNITED KINGDOM			
LONDON			
UNIVERSITY OF LONDON			
NS12021-01	PAULING, PETER J	THE CONFORMATIONS OF CHOLINERGIC MOLECULES	26,592
INSTITUTION TOTAL	1	26,592	
CITY TOTAL	1	26,592	
STATE TOTAL	1	26,592	
TOTAL	454	21,250,512	

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NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
ALABAMA			
MONTGOMERY			
ALABAMA STATE NURSES' ASSOCIATION			
CM53745-00	FOSTER, ARTHUR M	CHEMICALS AND DRUGS--EVALUATION IN CANCER CHEMOTHERAPY	348,579
INSTITUTION TOTAL	1	348,579	
CITY TOTAL	1	348,579	
STATE TOTAL	1	348,579	
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY			
CP53502-00	HACKETT, ADELINE J	HUMAN MAMMARY TUMOR VIROLOGY	75,046
INSTITUTION TOTAL	1	75,046	
CITY TOTAL	1	75,046	
DAVIS			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS			
CP53504-00	MANNING, JARUE S	VIRAL ETIOLOGY OF MALIGNANT LYMPHOMA IN RHESUS MONKEYS	74,388
INSTITUTION TOTAL	1	74,388	
CITY TOTAL	1	74,388	
LA JOLLA			
CDP ASSOCIATES			
CB53902-00	PRUETT, C D	OPERATIONAL IMPACT EVALUATION SYSTEM NCI CANCER CENTERS	38,168
INSTITUTION TOTAL	1	38,168	
CITY TOTAL	1	38,168	
LOS ANGELES			
CHILDREN'S HOSPITAL OF LOS ANGELES			
CM53831-00	SIEGEL, STUART E	EVALUATION OF PROTECTED ENVIRONMENTS	399,980

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CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	399,980		
CALIFORNIA				
LOS ANGELES				
HUGHES AIRCRAFT COMPANY--COMMERCIAL SYSTEMS DIVISION				
LM54701-00	NOT APPLICABLE		TECHNICAL SUPPORT SERVICES IN ALASKA	11,332
INSTITUTION TOTAL	1	11,332		
CITY TOTAL	2	411,312		
SAN FRANCISCO				
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO				
AI52500-00	SPITLER, LYNN E		PREPARATION OF TRANSFER FACTOR FROM DHARMENDRA ANTIGEN	111,500
INSTITUTION TOTAL	1	111,500		
CITY TOTAL	1	111,500		
STATE TOTAL	6	710,414		
CONNECTICUT				
NEW HAVEN				
HOSPICE, INC.				
CN55053-00	LACK, SYLVIA		DEVELOPMENT AND UTILIZATION OF REHABILITATION RESOURCES	331,762
INSTITUTION TOTAL	1	331,762		
CITY TOTAL	1	331,762		
STATE TOTAL	1	331,762		
DIST OF COL				
WASHINGTON				
COURTESY ASSOCIATES				
CP55642-00	NOT APPLICABLE		SUPPORT 2-DAY CONFERENCE	500
CP55638-00	NOT APPLICABLE		THIRD CARCINOGENESIS COLLABORATIVE CONFERENCE	2,500
CP55632-00	NOT APPLICABLE		STRUCTURE/ACTIVITY CARCINOGENESIS SEMINAR	500
CP55631-00	NOT APPLICABLE		PLANNING CONFERENCE--COLON CANCER	500
CP53514-00	NOT APPLICABLE		WORKING CONFERENCE--VIRUS CANCER PROGRAM, NCI	1,000
CP55628-00	NOT APPLICABLE		PROSTATE WORKSHOP	500
CP55627-00	STAMPFLI, SHEILA		BIOLOGICAL MODELS SEGMENT WORKSHOP	3,003
INSTITUTION TOTAL	7	8,503		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
DIST OF COL				
WASHINGTON				
NATIONAL ACADEMY OF SCIENCES				
OD52103-00	MARTIN, ROBERT G		INTERNATIONAL CONFERENCE ON DNA RECOMBINANTS	74,300
ES52102-00	ROSS, PHILIP		EXPOSURE TO HERBICIDES AND BIRTH DEFECTS IN VIETNAM	5,000
AM52200-00	SIMOPOULOS, ARTEMIS P		EVALUATION OF TESTING FOR CYSTIC FIBROSIS	50,000
INSTITUTION TOTAL	3	129,300		
CITY TOTAL	10	137,803		
STATE TOTAL	10	137,803		
FLORIDA				
FORT LAUDERDALE				
LEO GOODWIN INSTITUTE FOR CANCER RESEARCH				
CM53814-00	HOWLAND, I W JR		OPERATION OF A GERMFREE RODENT COLONY	408,708
INSTITUTION TOTAL	1	408,708		
CITY TOTAL	1	408,708		
STATE TOTAL	1	408,708		
GEORGIA				
ATLANTA				
EMORY UNIVERSITY				
CN55131-00	HUGULEY, CHARLES M JR		PROTOTYPE NETWORK DEMONSTRATION PROJECT IN BREAST CANCER	149,742
CP43393-00	NAHIMAS, ANDRE J		CELLULAR IMMUNITY STUDIES TO HERPES SIMPLEX ANTIGENS	97,147
INSTITUTION TOTAL	2	246,889		
CITY TOTAL	2	246,889		
STATE TOTAL	2	246,889		
ILLINOIS				
CHICAGO				
CHICAGO HEART ASSOCIATION				
HV52905-00	OGLESBY, PAUL		SYMPOSIUM ON THE EPIDEMIOLOGY OF HYPERTENSION	19,625
INSTITUTION TOTAL	1	19,625		
NORTHWESTERN UNIVERSITY				
AI52501-00	YOUMANS, GUY P		PREPARATION OF A MYCOBACTERIAL RIBOSOMAL VACCINE	10,100
INSTITUTION TOTAL	1	10,100		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	2	29,725	
STATE TOTAL	2	29,725	
KANSAS			
LAWRENCE			
UNIVERSITY OF KANSAS			
CM53819-00	WEIR, J A	OPERATION OF GENETIC CENTER FOR RODENTS	98,175
INSTITUTION TOTAL	1	98,175	
CITY TOTAL	1	98,175	
STATE TOTAL	1	98,175	
LOUISIANA			
NEW ORLEANS			
TULANE UNIVERSITY			
CM53815-00	BURNS, KENNETH F	OPERATION OF A GERMFREE RODENT COLONY	179,985
INSTITUTION TOTAL	1	179,985	
CITY TOTAL	1	179,985	
STATE TOTAL	1	179,985	
MARYLAND			
BALTIMORE			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND PROFESSIONAL SCHOOLS			
HV52901-00	KROL, WILLIAM F	COORDINATING CENTER--ASPIRIN-MYOCARDIAL INFARCTION STUDY	198,757
INSTITUTION TOTAL	1	198,757	
CITY TOTAL	1	198,757	
BETHESDA			
MICROBIOLOGICAL ASSOCIATES			
CM53818-00	ATHEY, W L	GENETIC CENTER IN BIOCONTAINMENT ENVIRONMENT	158,900
CP55605-00	KOURI, R E	MICROSOMAL ENZYME STUDIES	99,900
INSTITUTION TOTAL	2	258,800	
CITY TOTAL	2	258,800	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
MARYLAND			
COLLEGE PARK			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS			
HI52900-00	CRANE, LANGTON T	MATHEMATICAL MODELING OF THE KIDNEY	52,000
INSTITUTION TOTAL	1	52,000	
CITY TOTAL	1	52,000	
KENSINGTON			
LITTON INDUSTRIES, INC.--LITTON BIONETICS			
CP53509-00	RABIN, HARVEY	SUSPECTED ONCOGENIC VIRUSES IN NONHUMAN PRIMATES	304,900
INSTITUTION TOTAL	1	304,900	
CITY TOTAL	1	304,900	
STATE TOTAL	5	814,457	
MASSACHUSETTS			
BOSTON			
BOSTON UNIVERSITY			
CN55142-00	NOT APPLICABLE	ONCOLOGY NURSING PROGRAMS IN CANCER CENTERS	117,179
INSTITUTION TOTAL	1	117,179	
CITY TOTAL	1	117,179	
WILMINGTON			
CHARLES RIVER BREEDING LABORATORIES			
CM53812-00	FOSTER, HENRY L	OPERATION OF A GERMFREE RODENT COLONY	829,724
INSTITUTION TOTAL	1	829,724	
CITY TOTAL	1	829,724	
STATE TOTAL	2	946,903	
MICHIGAN			
DETROIT			
MICHIGAN CANCER FOUNDATION			
CM53789-00	KESSEL DAVID	CHARACTERIZATION OF ANTITUMOR DRUGS	55,089
INSTITUTION TOTAL	1	55,089	
CITY TOTAL	1	55,089	
STATE TOTAL	1	55,089	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
NEW MEXICO				
ALBUQUERQUE				
UNIVERSITY OF NEW MEXICO				
ES52101-00	BUECHLEY, ROBERT W		RELATIONSHIP BETWEEN MORTALITY AND AMBIENT AIR IN N.Y.C.	42,229
INSTITUTION TOTAL	1	42,229		
CITY TOTAL	1	42,229		
STATE TOTAL	1	42,229		
NEW YORK				
BUFFALO				
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE				
CP55629-00	PAIGEN, KENNETH		METHODS OF ASSAYING ARYL HYDROCARBON HYDROXLASE IN BLOOD	17,000
CN55063-00	WILSON, DOROTHY T		ONCOLOGY NURSING PROGRAMS IN MEDICAL CENTERS	90,388
INSTITUTION TOTAL	2	107,388		
CITY TOTAL	2	107,388		
FARMINGDALE				
LNR COMMUNICATIONS				
LM54700-00	NOT APPLICABLE		PROVIDE PARAMETRIC AMPLIFIER	6,400
INSTITUTION TOTAL	1	6,400		
CITY TOTAL	1	6,400		
ITHACA				
CORNELL UNIVERSITY				
ES52100-00	PEAKALL, DAVID B		EFFECT OF TOXAPHENE ON HEPATIC ENZYME INDUCTION	12,792
INSTITUTION TOTAL	1	12,792		
CITY TOTAL	1	12,792		
NEW YORK				
NEW YORK UNIVERSITY				
CB53868-00	GOLDSTEIN, GIDEON		CHEMICAL CHARACTERIZATION OF PURIFIED THYMIC PRODUCTS	98,422
INSTITUTION TOTAL	1	98,422		
YESHIVA UNIVERSITY				
CP55606-00	PEISACH JACK		MICROSOMAL ENZYME STUDIES	243,628
INSTITUTION TOTAL	1	243,628		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	2	342,050	
NEW YORK			
SARANAC LAKE			
TRUDEAU INSTITUTE			
CB53885-00	MACKANESS, GEORGE B	PRODUCTION OF AN IMPROVED BCG VACCINE	80,288
INSTITUTION TOTAL	1	80,288	
CITY TOTAL	1	80,288	
STATE TOTAL	7	548,918	
OHIO			
BEDFORD			
BEN VENUE LABORATORIES			
CM53811-00	WICKS, GLENN	PRODUCE CLINICAL DOSES OF ANTITUMOR AGENTS	543,165
INSTITUTION TOTAL	1	543,165	
CITY TOTAL	1	543,165	
STATE TOTAL	1	543,165	
OKLAHOMA			
OKLAHOMA CITY			
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER			
CN55163-00	HABERMAN, JOANN D	THERMOGRAPHY TECHNOLOGIST TRAINING PROGRAM	46,000
INSTITUTION TOTAL	1	46,000	
CITY TOTAL	1	46,000	
TULSA			
HILLCREST MEDICAL CENTER			
CN55181-00	LABADIE, ALICE J	ONCOLOGY NURSING PROGRAMS IN COMMUNITY HOSPITALS	72,874
INSTITUTION TOTAL	1	72,874	
CITY TOTAL	1	72,874	
STATE TOTAL	2	118,874	
PENNSYLVANIA			
BALA-CYNWYD			
U.S. SMALL BUSINESS ADMINISTRATION			
CP43365-00	TING, ROBERT C	RNA TUMOR VIRUS TRANSFORMATION OF SKIN FIBROBLAST CELLS	35,208

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL		1	35,208	
CITY TOTAL		1	35,208	
PENNSYLVANIA				
PHILADELPHIA				
FRANKLIN INSTITUTE OF THE STATE OF PENNSYLVANIA				
CP55633-00	CRAIG, PAUL		METABOLIC FATE OF 32 CARCINOGENIC AZO COMPOUNDS	5,304
CP55635-00	CRAIG, PAUL		CARCINOGENESIS PROGRAM OF ABSTRACTS	3,431
CP55620-00	CRAIG, PAUL		LITERATURE SURVEY FOR AMINES	4,962
INSTITUTION TOTAL		3	13,697	
CITY TOTAL		3	13,697	
WARRINGTON				
POLYSCIENCES, INC.				
DE52447-00	HALPERN, B DAVID		FLUORIDE RELEASING SYSTEM FOR PROLONGED ORAL USE	57,848
INSTITUTION TOTAL		1	57,848	
CITY TOTAL		1	57,848	
STATE TOTAL		5	106,753	
TENNESSEE				
NASHVILLE				
VANDERBILT UNIVERSITY				
CN55099-00	BURKO, HENRY		BREAST CANCER DETECTION DEMONSTRATION PROJECT	185,000
INSTITUTION TOTAL		1	185,000	
CITY TOTAL		1	185,000	
STATE TOTAL		1	185,000	
TEXAS				
DENTON				
NORTH TEXAS STATE UNIVERSITY				
CP55626-00	CANTRELL, ELROY		STANDARDIZATION OF ARYL HYDROXYLASE ASSAY	47,551
INSTITUTION TOTAL		1	47,551	
CITY TOTAL		1	47,551	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
TEXAS				
HOUSTON				
ST. JOSEPH HOSPITAL				
CN55100-00	MOORE, D L		BREAST CANCER DETECTION DEMONSTRATION PROJECT	185,000
INSTITUTION TOTAL	1	185,000		
TEXAS INBRED MICE COMPANY				
CM53816-00	BOUGHMAN, L C		OPERATION OF A GERMFREE RODENT COLONY	468,053
INSTITUTION TOTAL	1	468,053		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER				
CP55604-00	SHAW, CHARLES R		MICROSOMAL ENZYME STUDIES	95,400
INSTITUTION TOTAL	1	95,400		
CITY TOTAL	3	748,453		
SAN ANTONIO				
SOUTHWEST FOUNDATION FOR RESEARCH AND EDUCATION				
HD52810-00	KRAEMER, D C		PRIMATE TESTING FACILITY	120,279
INSTITUTION TOTAL	1	120,279		
CITY TOTAL	1	120,279		
STATE TOTAL	5	916,283		
VERMONT				
BURLINGTON				
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE				
EY52105-00	BORAKER, DAVID K		DEVELOPMENT OF A PEDIGREED STRAIN OF OCTODON DEGUS	53,298
INSTITUTION TOTAL	1	53,298		
CITY TOTAL	1	53,298		
STATE TOTAL	1	53,298		
VIRGINIA				
ALEXANDRIA				
DATATEL, INC				
NS52303-00	NOT APPLICABLE		COLLABORATIVE PERINATAL PROJECT DATA COLLECTION FORMS	3,987
INSTITUTION TOTAL	1	3,987		
VALUE ENGINEERING COMPANY				
CM53821-00	DEAN, CHARLES		DRUG DISTRIBUTION AND INVENTORY SYSTEM	42,667
INSTITUTION TOTAL	1	42,667		
CITY TOTAL	2	46,654		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
WISCONSIN			
MADISON			
MOGUL CORPORATION			
CM53813-00	FORTNEY, R D	OPERATION OF A GERMFREE RODENT COLONY	651,591
INSTITUTION TOTAL	1	651,591	
CITY TOTAL	1	651,591	
STATE TOTAL	1	651,591	
FRANCE			
LYON			
WORLD HEALTH ORGANIZATION--INTERNATIONAL AGENCY FOR RESEARCH ON CANCER			
CP55630-00	TOMATIS, LORENZO	SIGNIFICANCE OF EXPERIMENTAL CARCINOGENESIS DATA	134,900
INSTITUTION TOTAL	1	134,900	
CITY TOTAL	1	134,900	
STATE TOTAL	1	134,900	
JAPAN			
TOKYO			
CANCER INSTITUTE			
HD52809-00	IKAWA, YOJI	CULTURES OF ERYTHROLEUKEMIC MOUSE CELLS	25,177
INSTITUTION TOTAL	1	25,177	
CITY TOTAL	1	25,177	
STATE TOTAL	1	25,177	
SPAIN			
MADRID			
MADRID UNIVERSITY			
CM53792-00	GOSALVEZ, MARIO	CHARACTERIZATION OF ANTITUMOR DRUGS	28,400
INSTITUTION TOTAL	1	28,400	
CITY TOTAL	1	28,400	
STATE TOTAL	1	28,400	
SWITZERLAND			
GENEVA			
WORLD HEALTH ORGANIZATION			
AI52503-00	GOODMAN, HOWARD C	SUPPLY FLUORESCENTLY LABELLED IGM ANTISERUM	20,000

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	20,000	
CITY TOTAL	1	20,000	
STATE TOTAL	1	20,000	
TOTAL	63	7,729,731	

NIH
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR		TITLE OF PROGRAM	DOLLARS AWARDED
CALIFORNIA				
LA JOLLA				
SCRIPPS CLINIC AND RESEARCH FOUNDATION				
GM02293-01	SPIZIZEN, JOHN		MICROBIOLOGY	73,967
INSTITUTION TOTAL		1	73,967	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO				
GM02179-01A1	ZETTNER, ALFRED		INVESTIGATIVE AND CLINICAL PATHOLOGY	63,704
INSTITUTION TOTAL		1	63,704	
CITY TOTAL		2	137,671	
STANFORD				
STANFORD UNIVERSITY				
GM02236-01	KORN, DAVID		PATHOLOGY	52,417
INSTITUTION TOTAL		1	52,417	
CITY TOTAL		1	52,417	
STATE TOTAL		3	190,088	
COLORADO				
DENVER				
UNIVERSITY OF COLORADO MEDICAL CENTER				
GM02241-01A1	WALKER, STROTHER H		BIOMETRICS	25,437
INSTITUTION TOTAL		1	25,437	
CITY TOTAL		1	25,437	
STATE TOTAL		1	25,437	
ILLINOIS				
MAYWOOD				
LOYOLA UNIVERSITY				
GM02122-01A1	MC DONALD, HUGH J		CLINICAL CHEMISTRY	114,378
INSTITUTION TOTAL		1	114,378	
CITY TOTAL		1	114,378	
URBANA				
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT URBANA				
GM02271-01	DUNN, FLOYD		BIOENGINEERING	45,888

NIH
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
INSTITUTION TOTAL	1	45,888	
CITY TOTAL	1	45,888	
STATE TOTAL	2	160,266	
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY			
GM02220-01	VALLEE, BERT	MEDICAL SCIENTISTS	69,087
INSTITUTION TOTAL	1	69,087	
CITY TOTAL	1	69,087	
STATE TOTAL	1	69,087	
NEW YORK			
NEW YORK			
CORNELL UNIVERSITY MEDICAL COLLEGE			
GM02243-01	BEARN, ALEXANDER G	BIOMEDICAL SCIENCE PROGRAM	30,936
INSTITUTION TOTAL	1	30,936	
CITY TOTAL	1	30,936	
STATE TOTAL	1	30,936	
TEXAS			
HOUSTON			
RICE UNIVERSITY			
GM02221-01	STEWART, CHARLES R	DEVELOPMENTAL GENETICS	30,498
INSTITUTION TOTAL	1	30,498	
CITY TOTAL	1	30,498	
STATE TOTAL	1	30,498	
TOTAL	9	506,312	

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY			
GM55533-01	CHEN, CHUAN-RUN R	BIOPHYSICS	F02
GM57333-01	PONARAS, ANTHONY A	CHEMISTRY	F02
GM55766-01	RAWLS, JOHN M, JR	GENETICS	F02
INSTITUTION TOTAL	3		
CITY TOTAL	3		
DAVIS			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS			
GM55963-01	ANGELOSANTO, FRANK A	PATHOLOGY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY			
GM55347-01	BYERLY, WILLIAM L	ANATOMY	F02
GM55726-01	CRAIN, WILLIAM R, JR	BIOCHEMISTRY	F02
GM55717-01	TENCH, ALAN H	BIOPHYSICS	F03
INSTITUTION TOTAL	3		
CITY TOTAL	3		
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
GM57292-01	MACDONALD, BURNS	NONCLINICAL RADIATION	F03
GM57121-01	MASIARZ, FRANK R	BIOCHEMISTRY	F02
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STANFORD			
STANFORD UNIVERSITY			
GM57699-01	ANDERSON, GARY D	HYDROBIOLOGY	F02
GM57161-01	CAPALDO, FLORENCE N	BIOCHEMISTRY	F02
GM55727-01	MARK, JAMES E	CHEMISTRY	F03
GM57061-01	SCHREIER, ALAN A	BIOPHYSICS	F02
INSTITUTION TOTAL	4		
CITY TOTAL	4		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
STATE TOTAL	13		
COLORADO			
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
GM55974-01	RUBIN, ROBERT	CELL BIOLOGY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
GEORGIA			
ATHENS			
UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA			
GM57019-01	SHEROD, DAVID W	BIOCHEMISTRY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
HAWAII			
HONOLULU			
UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA			
GM57066-01	JENG, STELLA J	BIOCHEMISTRY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
ILLINOIS			
URBANA			
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT URBANA			
GM55980-01	SHAKLEE, JAMES B	GENETICS	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
INDIANA			
WEST LAFAYETTE			
PURDUE UNIVERSITY			
HL05099-01	EVENTOFF, WILLIAM	BIOPHYSICS	F22
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
IOWA			
AMES			
IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY			
GM55840-01	CARTY, THOMAS J	BIOCHEMISTRY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
KENTUCKY			
LEXINGTON			
UNIVERSITY OF KENTUCKY			
GM55729-01	ROODMAN, GARSON D	BIOCHEMISTRY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
LOUISVILLE			
UNIVERSITY OF LOUISVILLE			
GM55713-01	WOODSIDE, EUGENE E	BIOCHEMISTRY	F03
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
MAINE			
SALSBURY COVE			
MOUNT DESERT ISLAND BIOLOGICAL LABORATORY			
GM57244-01	KARNAKY, KARL J, JR	PHYSIOLOGY	F02
INSTITUTION TOTAL	1		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CITY TOTAL	1		
STATE TOTAL	1		
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
GM57395-01	GERMINARIO, LOUIS T	MICROBIOLOGY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
BETHESDA			
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH			
GM55945-01	HOBBS, ANN S	BIOPHYSICS	F02
INSTITUTION TOTAL	1		
U.S. DEPARTMENT OF THE NAVY--NATIONAL NAVAL MEDICAL CENTER			
GM55912-01	DUESLER, EILEEN N	PHYSICS	F02
INSTITUTION TOTAL	1		
CITY TOTAL	2		
COLLEGE PARK			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS			
GM55073-01	FINGER, STANLEY M	HEALTH-RELATED ENGINEERING	F03
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	4		
MASSACHUSETTS			
CAMBRIDGE			
HARVARD UNIVERSITY			
GM55688-01	MAKEMSON, JOHN C	MICROBIOLOGY	F03
INSTITUTION TOTAL	1		
MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
GM55094-01	LEIGHTON, STEPHEN B	HEALTH-RELATED ENGINEERING	F03
INSTITUTION TOTAL	1		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CITY TOTAL	2		
MASSACHUSETTS			
WALTHAM			
BRANDEIS UNIVERSITY			
GM57029-01	CHAFFIN, WELDA L	BIOCHEMISTRY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
WOODS HOLE			
WOODS HOLE OCEANOGRAPHIC INSTITUTION			
GM55822-01	NOVITSKY, THOMAS J	MICROBIOLOGY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
WORCESTER			
UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL			
GM57293-01	KUPELIAN, NEWTON J	PHYSIOLOGY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	5		
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
GM55985-01	FORSTROM, LEROY A	BIOSCIENCES	F03
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
MISSOURI			
SAINT LOUIS			
ST. LOUIS UNIVERSITY			
NS00124-01	WILSON, MICHAEL L	BIOCHEMISTRY	F22
INSTITUTION TOTAL	1		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CITY TOTAL	1		
STATE TOTAL	1		
NEW HAMPSHIRE			
DURHAM			
UNIVERSITY OF NEW HAMPSHIRE SYSTEM--UNIVERSITY OF NEW HAMPSHIRE			
GM55952-01	DAVENPORT, RICHARD W	CHEMISTRY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
NEW YORK			
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
CA54911-01	DOBBS, BILL C	BIOPHYSICS	F03
INSTITUTION TOTAL	1		
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
GM57298-01	GREENHOUSE, DOROTHY D	PHARMACOLOGY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	2		
ITHACA			
CORNELL UNIVERSITY			
GM55699-01	PINCUS, MATTHEW R	BIOCHEMISTRY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	1		
NEW YORK			
NEW YORK UNIVERSITY			
NS01901-01	HAWKINS, ROBERT D	PHYSIOLOGY	F22
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	4		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
NORTH CAROLINA			
RESEARCH TRIANGL			
U.S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE--NIEHS ENVIRONMENTAL HEALTH SCIENCES CENTER			
ES01988-01	SAMSELL, ANN G	GENERAL ENVIRONMENTAL HEALTH	F22
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
PENNSYLVANIA			
PITTSBURGH			
CHILDREN'S HOSPITAL OF PITTSBURGH			
GM03004-01	JARGIELLO, PATRICIA	GENETICS	F22
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
TENNESSEE			
NASHVILLE			
VANDERBILT UNIVERSITY			
GM55770-01	BURKA, LEO T	PHARMACOLOGY	F02
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
TEXAS			
AUSTIN			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN			
GM55808-01	DOUBLEDAY, CHARLES E, JR	BIOCHEMISTRY	F02
INSTITUTION TOTAL 1			
CITY TOTAL 1			
DALLAS			
SOUTHERN METHODIST UNIVERSITY			
GM57750-01	PUCACCO, LEO R	PHARMACY	F03
INSTITUTION TOTAL 1			

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CITY TOTAL	1		
TEXAS			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
GM46084-01	WASMUTH, JOHN J	GENETICS	F02
INSTITUTION TOTAL	1		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER			
GM57206-01	COOPER, WILLIS G	MICROBIOLOGY	F02
INSTITUTION TOTAL	1		
CITY TOTAL	2		
STATE TOTAL	4		
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
GM57207-01	COMER, MARY M	BIOCHEMISTRY	F02
NS00782-01	JACKSON, JAN C	BIOLOGY	F22
GM57238-01	WILKINS, ADAM S	GENETICS	F03
INSTITUTION TOTAL	3		
CITY TOTAL	3		
STATE TOTAL	3		
UNITED KINGDOM			
LONDON			
MEDICAL RESEARCH COUNCIL			
GM57247-01	WAY, JAMES L	PHARMACOLOGY	F03
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TOTAL	49		

NIH
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
LOS BANOS			
LOS BANOS COMMUNITY HOSPITAL			
LM02395-01	POLLOCK, MICHAEL	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	2,460
INSTITUTION TOTAL	1	2,460	
CITY TOTAL	1	2,460	
STATE TOTAL	1	2,460	
MINNESOTA			
MINNEAPOLIS			
HENNEPIN COUNTY GENERAL HOSPITAL			
LM02329-01	ARANY, RUTH A	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,903
INSTITUTION TOTAL	1	3,903	
CITY TOTAL	1	3,903	
STATE TOTAL	1	3,903	
NEW HAMPSHIRE			
FRANKLIN			
FRANKLIN REGIONAL HOSPITAL			
LM02403-01	GEILER, HILDA M	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,100
INSTITUTION TOTAL	1	3,100	
CITY TOTAL	1	3,100	
STATE TOTAL	1	3,100	
NEW JERSEY			
CAMDEN			
SOUTHWEST NEW JERSEY CONSORTIUM FOR HEALTH INFORMATION SERVICES			
LM02132-01A1	THOMPSON, MARIE C	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	16,595
INSTITUTION TOTAL	1	16,595	
CITY TOTAL	1	16,595	
STATE TOTAL	1	16,595	
NEW YORK			
BUFFALO			
MERCY HOSPITAL			
LM02397-01	ANNUNCIATA, SISTER MARY	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000

NIH
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	3,000	
CITY TOTAL	1	3,000	
NEW YORK			
CENTRAL ISLIP			
NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE--CENTRAL ISLIP PSYCHIATRIC CENTER			
LM02396-01	MEYER, SANDRA K	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	2,604
INSTITUTION TOTAL	1	2,604	
CITY TOTAL	1	2,604	
STATE TOTAL	2	5,604	
NORTH DAKOTA			
RUGBY			
GOOD SAMARITAN HOSPITAL			
LM02384-01	WALTZ, RONALD D	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,198
INSTITUTION TOTAL	1	3,198	
CITY TOTAL	1	3,198	
STATE TOTAL	1	3,198	
PENNSYLVANIA			
PHILADELPHIA			
FRIENDS HOSPITAL			
LM02387-01	WEINER, NORMAN D	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,125
INSTITUTION TOTAL	1	3,125	
CITY TOTAL	1	3,125	
STATE TOTAL	1	3,125	
SOUTH CAROLINA			
CHARLESTON			
MEDICAL UNIVERSITY OF SOUTH CAROLINA			
LM02272-01	SAWYER, WARREN A	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	33,333
INSTITUTION TOTAL	1	33,333	
CITY TOTAL	1	33,333	
STATE TOTAL	1	33,333	

NIH
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
WEST VIRGINIA			
WHEELING			
WHEELING HOSPITAL			
LM02312-01A1	LONER, ANNE S	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,100
INSTITUTION TOTAL	1	3,100	
CITY TOTAL	1	3,100	
STATE TOTAL	1	3,100	
TOTAL	10	74,418	

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